Panasonic

TX–W36D3DP/U

(U.K. Standard)

DOLBY SURROUND PRO • LOGIC

100Hz SUPER DIGITAL SCAN

King of Pictures GAOO

Quintrix WIDE

WIDE DIGITAL P—L—U—S

Please read these instructions completely before use and retain them for future reference.

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TQB8E2460–1

Dear Panasonic Customer,
Welcome to the Panasonic family of customers. We hope that you have many years of enjoyment from your new colour television. This is a very advanced television, however, the Quick Start Guide will tell you how to have the TV operating quickly; you can then read the following pages to fully utilise the advanced features.

This television has a low power consumption making it very cost effective to run.
To this end, the standby power consumption is merely 1 watt.

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WARNINGS and PRECAUTIONS

- This TV set is designed to operate on 220 – 240V, 50Hz A.C.
- To prevent damage which might result in electric shock or fire, do not expose this TV set to rain or excessive moisture.
- **WARNING : HIGH VOLTAGE !!!**
  Do not remove the rear cover as live parts are accessible when it is removed. There are no user serviceable parts inside.
- Avoid exposing the TV set to direct sunlight and other sources of heat.
- Remove the mains plug from the wall socket when the TV set is not used for a prolonged period of time.
- **CABINET AND PICTURE TUBE CARE**
  Remove the mains plug from the wall socket. The cabinet and picture tube can be cleaned with a soft cloth moistened with mild detergent and water. Do not use solutions containing benzol or petroleum. TV sets can produce static electricity, care must be taken whenever touching the TV screen.
- Adequate ventilation is essential to prevent failure of electrical components, we recommend that a gap of at least 5cm is left all around this television receiver even when it is placed inside a cabinet or between shelves.

FOR YOUR SAFETY PLEASE READ THE FOLLOWING TEXT CAREFULLY

This appliance is supplied with a fitted three pin mains plug for your safety and convenience. A 5 amp fuse is fitted in this plug. If the fuse is replaced then the replacement fuse must be 5 amp rated and should be approved by ASTA or BSI to BS1362.

Check for the ASTA mark or the BSI mark on the body of the fuse.

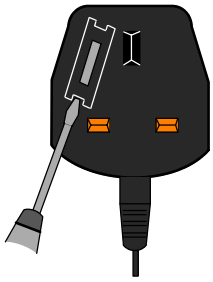
If the fitted plug has a removable fuse cover you must ensure that it is refitted when the fuse is replaced. If you lose the fuse cover the plug must not be used until a replacement cover is obtained. Replacement fuse covers can be purchased through your local Panasonic dealer.

The plug fitted to this appliance incorporates a mains filter circuit. If this is removed or replaced with a non–filtered plug this television will no longer meet the European standards for Electromagnetic Compatibility (EMC). If the fitted plug is unsuitable for the socket outlet in your home an appropriate adapter should be used.

Nonetheless, if the fitted plug is replaced, the fuse should be taken out and the cut–off plug disposed of safely. There is danger of severe electrical shock if the cut off plug is inserted into any 13 amp. socket.

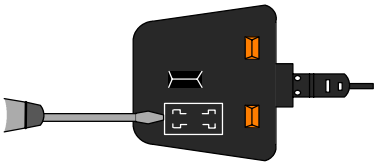
If a new plug is to be fitted please observe the wiring code as shown below.
If in any doubt please consult a qualified electrician.

Example 1.



How to replace the fuse (for plug type shown in example 1) :
Lift out the removable fuse compartment with a screwdriver and replace the fuse, then refit securely into the mains plug (See example 1).

Example 2.



How to replace the fuse (for plug type shown in example 2) :
Lift open the fuse compartment, in the mains plug, with a screwdriver, and replace the fuse, then press the fuse cover down securely. (See example 2).

IMPORTANT :– The wires in the mains lead of this appliance are coloured in accordance with the following code :–

BLUE : NEUTRAL BROWN : LIVE

As the colours of the wires in the mains lead of this appliance may not correspond to the markings identifying the terminals in your plug, proceed as follows :–

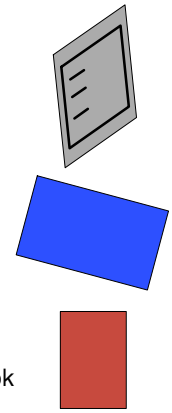
1. The BLUE wire must be connected to the terminal marked ‘N’ or coloured black.
2. The BROWN wire must be connected to the terminal marked ‘L’ or coloured red.

IMPORTANT NOTE : Under no circumstances should either of these wires be connected to the Earth terminal of the three pin plug, marked with the letter ‘E’ or the earth symbol.

ACCESSORIES

Check that you have the accessories and items shown

Operating Instruction book
TQB8E2460–1

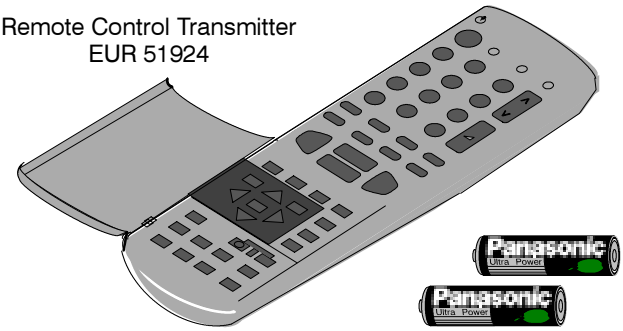


TV Guarantee

CRT Guarantee

Questionnaire

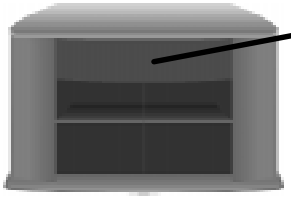
Remote Control Transmitter
EUR 51924



Batteries for the
Remote Control Transmitter.
(2 x R6 (UM3) size)

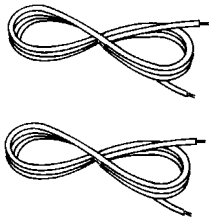
TS–500DP

VS–36WD3DP Video cabinet

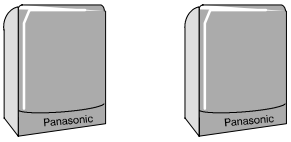


Centre speaker – (Built in)

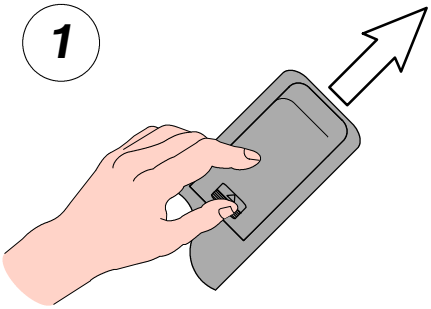
Speaker cables
(12 metres each)



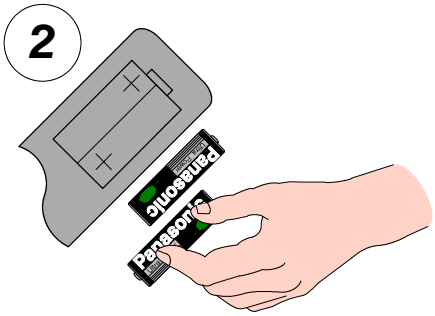
Rear speakers



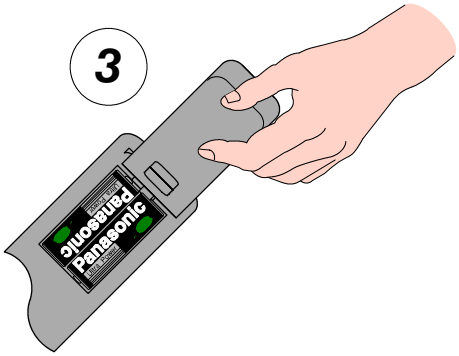
FITTING REMOTE CONTROL BATTERIES



Slide off the battery cover



Insert batteries – note correct polarity

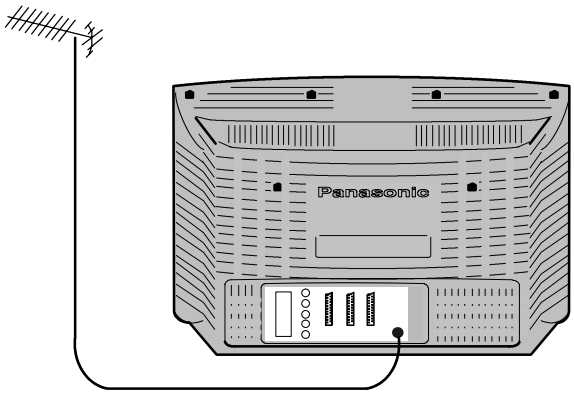


Replace the cover

Notes:

- Make sure that the batteries are fitted the correct way round.
- Do not mix old batteries with new batteries. Remove old, exhausted batteries immediately.
- Do not mix different battery types, i.e. Alkaline and Manganese. Do not use rechargeable (Ni–Cad) batteries.

1 . 2 . 3 . . . . .

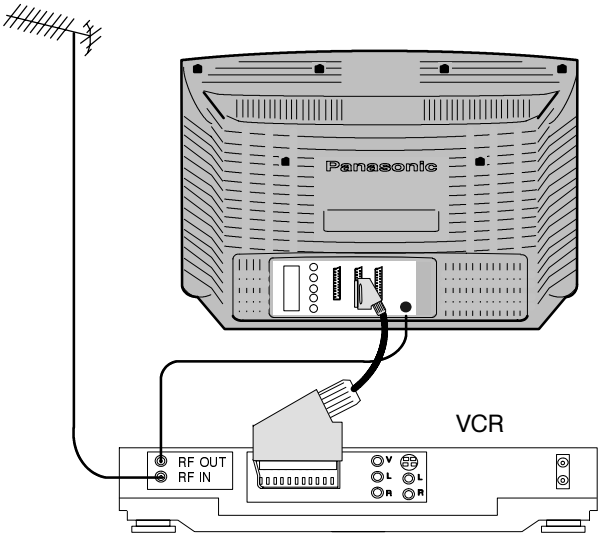


1

TV only

Connect Aerial co–axial cable direct to TV RF IN socket.

OR



USING A VCR

Connect Aerial co–axial cable to RF Input socket of VCR and a RF coaxial cable from VCR RF Out socket to TV RF IN socket.

The VCR can also be connected to the TV using a SCART to SCART lead if you are using a stereo VCR. Use the AV1 21 pin terminal for a VCR. To connect an S–Video VCR use the AV2S 21 pin terminal.

Further details of Audio/ Video connections can be found on pages 34 and 35.

OR

USING A VCR AND SATELLITE RECEIVER

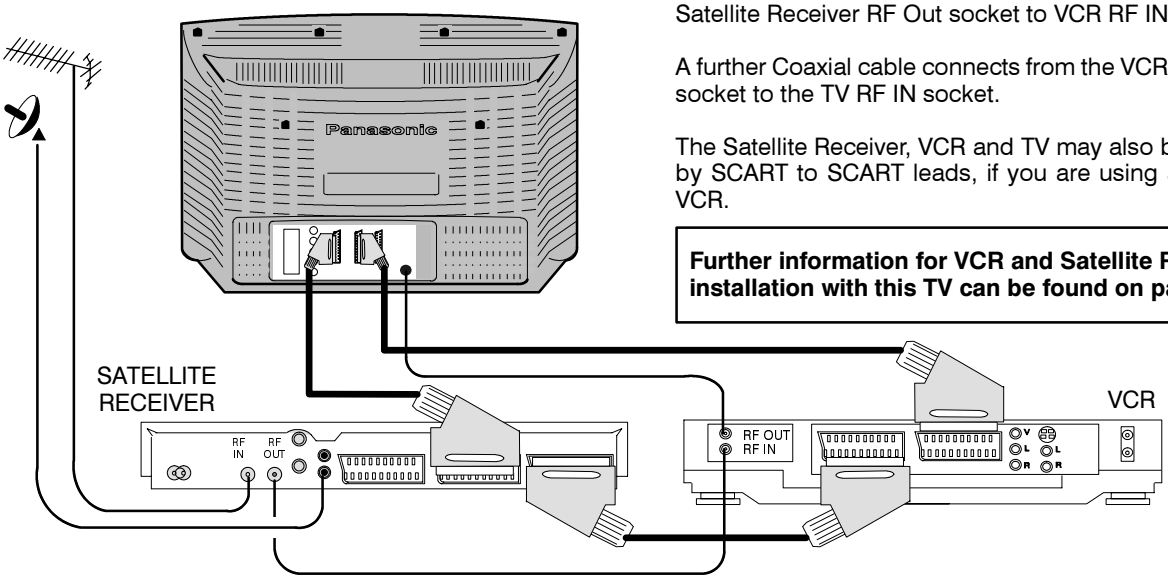
Connect Aerial co–axial cable to RF Input socket of Satellite Receiver. An RF coaxial cable connects from Satellite Receiver RF Out socket to VCR RF IN socket.

A further Coaxial cable connects from the VCR RF OUT socket to the TV RF IN socket.

The Satellite Receiver, VCR and TV may also be linked by SCART to SCART leads, if you are using a Stereo VCR.

Further information for VCR and Satellite Receiver installation with this TV can be found on page 32.

Recommended setup for Stereo VCR and Satellite equipment with SCART sockets

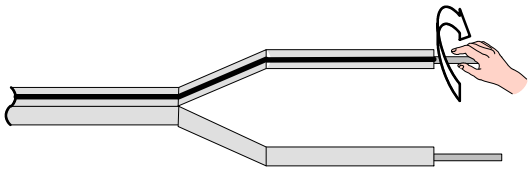


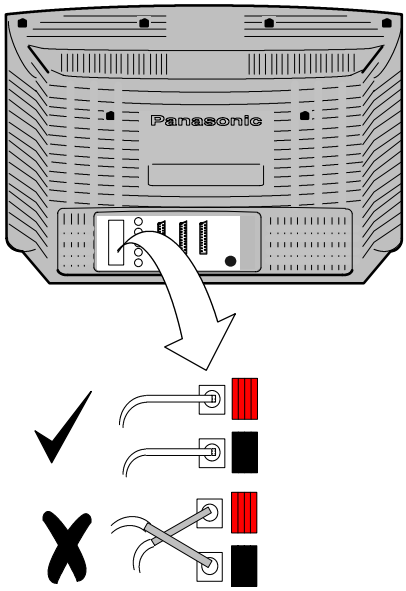
Ancillary equipment and leads are not supplied.

2 Connect the speakers

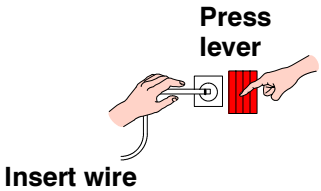
The TV must be switched Off.

2.1 Twist the wire ends before inserting.

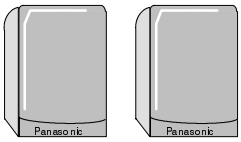




2.2 Insert into terminals.
Ensure that bare speaker wires are not touching.

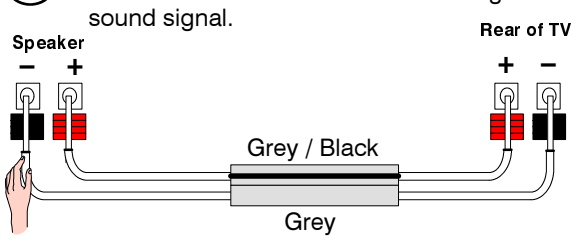


Rear Speakers

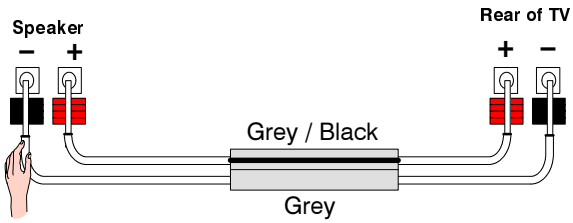


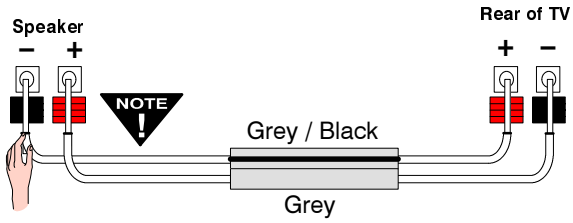
The REAR speakers can be connected in one of two ways A or B :

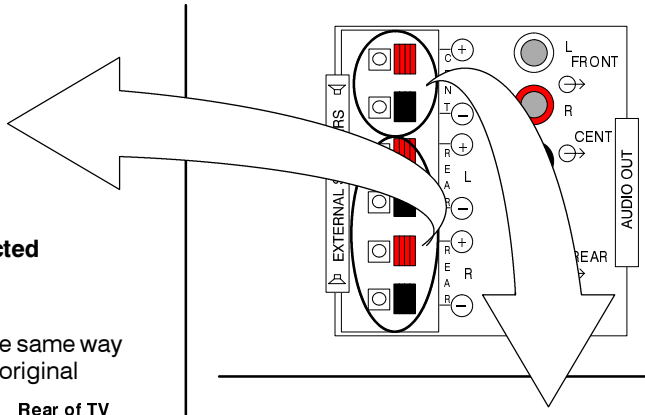
A With both speakers connected in the same way then the sound will be 'true' to the original sound signal.



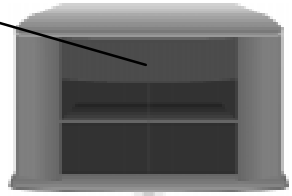
B With the wiring to one speaker 'crossed over' then an additional, artificial ambience effect will be created.



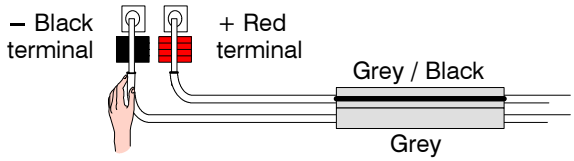


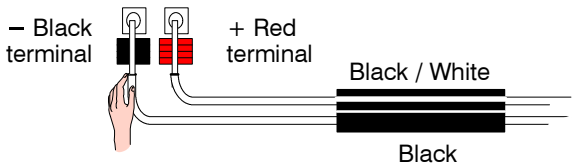


Centre speaker

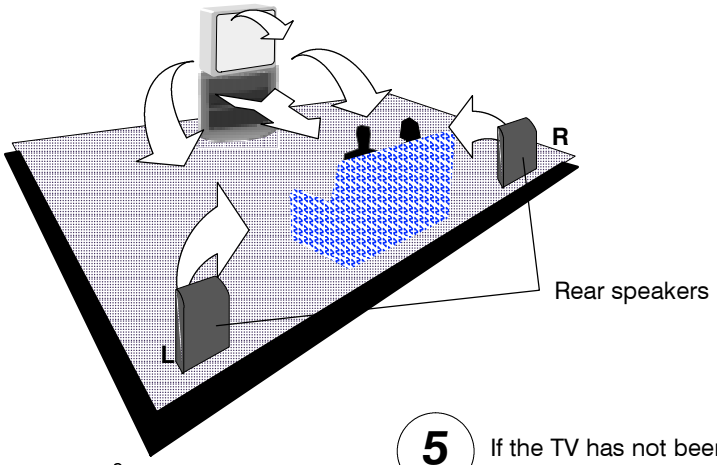


The CENTRE speaker may be supplied with either grey or black cable and should be connected to the TV as shown below :



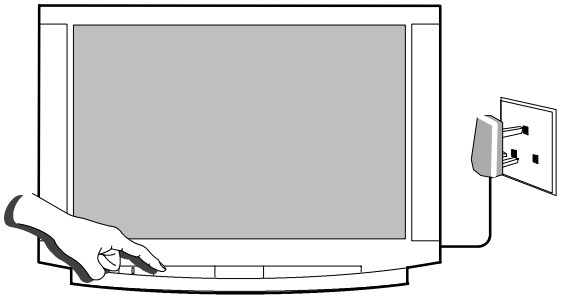


3 Position the speakers



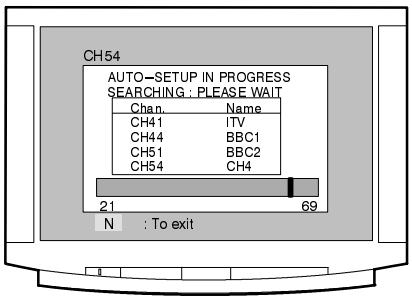
4 Switch ON your VCR *1.
Switch ON your Satellite Receiver*2.
Plug the TV into mains socket and switch on .

Programmes will appear immediately if your dealer has programmed the TV for you.

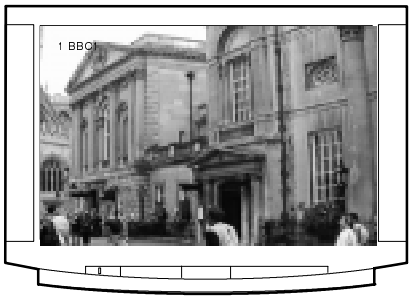


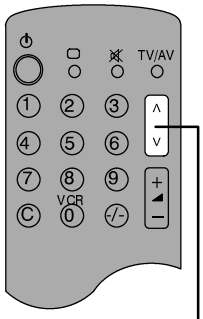
5 If the TV has not been programmed for you then **Auto setup** will begin. TV stations will be located, sorted into order and stored ready for use*3.

Switch the VCR Test Signal 'off'*4 .

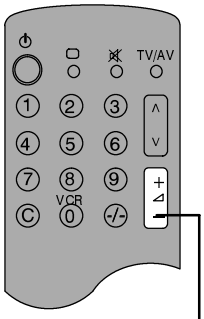


. . . READY TO GO!





Change Channel



Adjust Volume

Notes :

*1. If your VCR Test Signal appears as a programme position it can be deleted using the Programme Edit menu. We recommend that you have the VCR's test signal 'on' – refer to your VCR instruction book to locate the VCR Test Signal switch (usually on the rear of the VCR).

*2. The Satellite Receiver must be tuned to either SKY ONE or SKY NEWS before starting Auto Setup. When Auto Setup has finished, the satellite position that has been stored will be listed as 'SAT'.

*3. The sorting order depends upon the TV signal, the broadcasting system, and reception conditions. If the order is not to your preference it can be rearranged. Refer to the Programme Edit menu – see page 18 for details.

Prog. Position	All channels	No CH5	No CH5 / S4C	No CH4 / CH5	No S4C	No CH4 / S4C	No CH4 / S4C / CH5
1	BBC1	BBC1	BBC1	BBC1	BBC1	BBC1	BBC1
2	BBC2	BBC2	BBC2	BBC2	BBC2	BBC2	BBC2
3	ITV	ITV	ITV	ITV	ITV	ITV	ITV
4	CH4	CH4	CH4	S4C	CH4	CH5	SAT
5	S4C	S4C	SAT	SAT	CH5	SAT	●
6	CH5	SAT	●	●	SAT	●	●
7	SAT	●	●	●	●	●	●

Note :
● The next available channel will appear, if no other stations are available then the Programme position will remain unused.

*4. **IT IS IMPORTANT THAT** you use only programme position '0' for your VCR. If your VCR does not appear to operate on programme position '0' (the VCR position), refer to page 32 for guidance.

BASIC CONTROLS – FRONT PANEL AND REMOTE CONTROL

Press here and open flap to expose TV controls

Press here and open flap to expose front AV3 and headphone terminals

STR TV/AV F –/V +/Λ

AV3 V L R

MAINS Power On/Off switch

STR (Normalisation store) Used to store tuning and other function settings

TV/AV switch (page 26)

F (Function select) Displays the On Screen Display functions, use repeatedly to select from the available functions – Volume, Contrast, Brightness, Colour, Sharpness, Bass, Treble, Balance, Tuning mode and Geomagnetic correction.

Red light indicates Standby mode. Use Standby switch, –, + or 0–9 keys to switch TV On

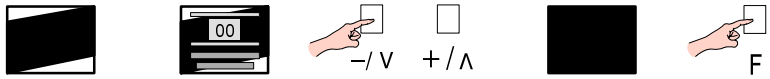
RCA Audio/Video sockets (page 34)

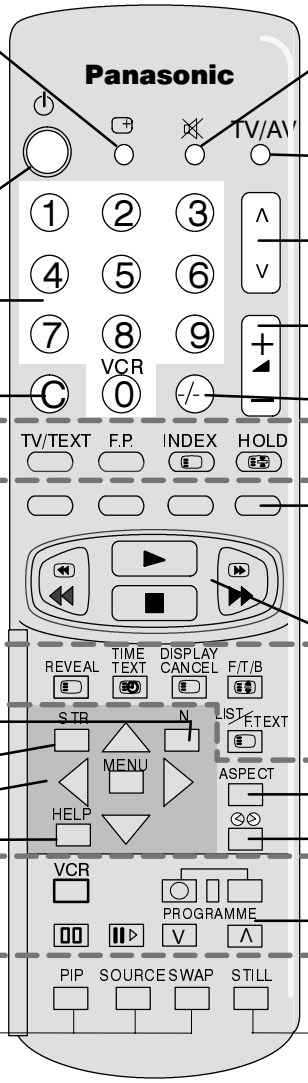
S–VHS socket (page 34)

Headphone socket (page 34)

Increases or decreases the programme position by one. When a function is already displayed, press to increase or decrease the selected function.

Your geographical location may cause the picture to be slightly slanted. Accessing the Geomagnetic Correction menu will allow you to correct the picture.





Status key will display programme position, channel number, Nicam mode, Aspect setting, time and teletext station name. Press the coloured keys for the Programme table (whilst in Status mode).

Standby ON/OFF switch Switches TV On or Off standby.

Channel change keys (0–9) and Teletext page keys (page 30)

Direct channel access page Press and enter channel using above numeric keys

Teletext keys (page 30)

The N key will recall settings stored with STR

STR (Normalisation store)

On screen menu control keys (page 9)

Help key provides a demonstration of On Screen Display menus

PIP control keys (page 10)

Sound mute On/Off

Switch between viewing TV or AV input (page 26)

Channel change up/down

Volume increase/decrease

Programme position for selection of two digit programmes (10–99) using numeric keys

Coloured keys used for Zoom mode (page 11) Programme Edit functions (page 18) Teletext functions (page 30) AV selection (page 26)

Video recorder keys (page 33)

Aspect control (page 11)

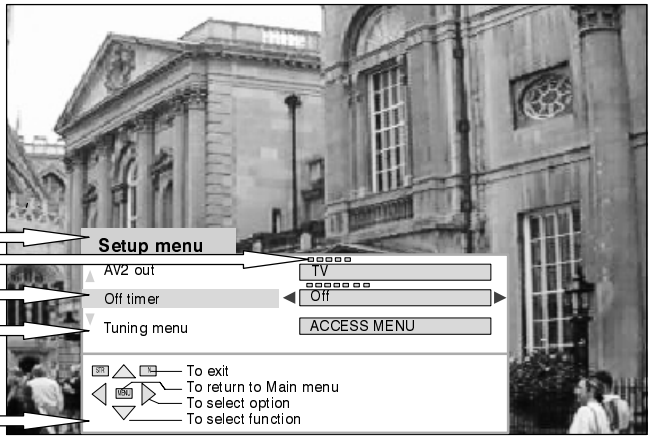
Surround On / Off key (page 28)

Video recorder keys (page 33)

Still key to freeze the picture (page 10)

USING THE ON SCREEN MENUS

This TV has a comprehensive system of On Screen Display menus to access adjustments and options.



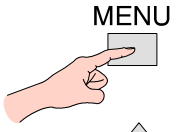
The following remote control keys are used to access and adjust settings for the On Screen Display menus.

Some selections, for example, **Contrast, Brightness, Colour** and **Sharpness** will allow you to increase or decrease their level.

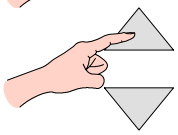
Some selections, for example, **Off timer**, allow a choice to be made.

Some selections, for example **Tuning menu**, will lead to a further menu.

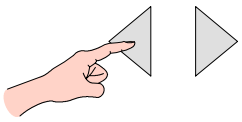
The **'MENU'** key is used to open the Main menu and also to return to either the Main menu or a previous menu.



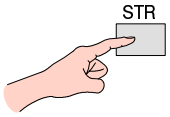
The ▲ ▼ keys are used to move the selector up or down the menus.



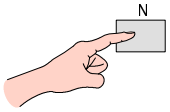
The ◀ ▶ keys are used to access menus, adjust levels or to select from a range of options.



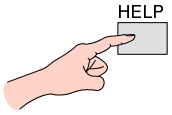
The **'STR'** key is used to store settings after your adjustment or choice has been made.

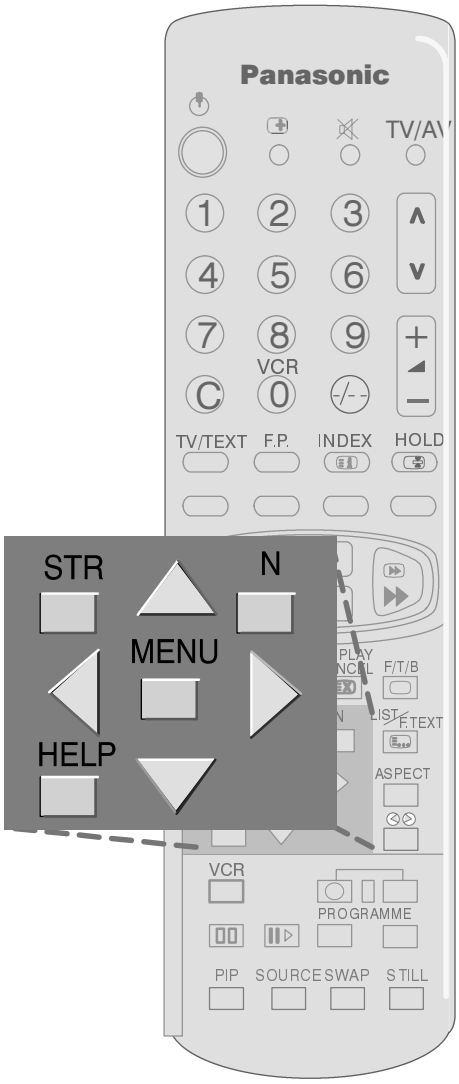


The **'N'** key is used to leave the menu system and return to the normal viewing screen.

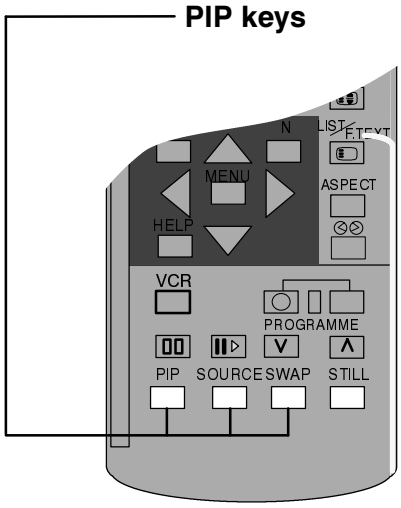


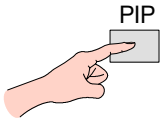
The **'HELP'** key will run a demonstration of the menus available.



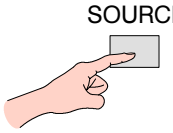


The remote control has keys to control the PIP (picture–in–picture) feature.

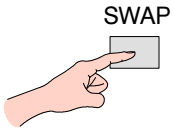




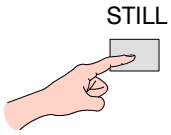
The PIP key will switch the PIP function On and Off, PIP offers two picture viewing.



The SOURCE key will allow you to choose whether you use the current TV screen or the input to AV1, AV2, AV3 or AV4 as the PIP picture.



The SWAP key will allow you to swap the PIP picture with the Main picture and vice–versa.

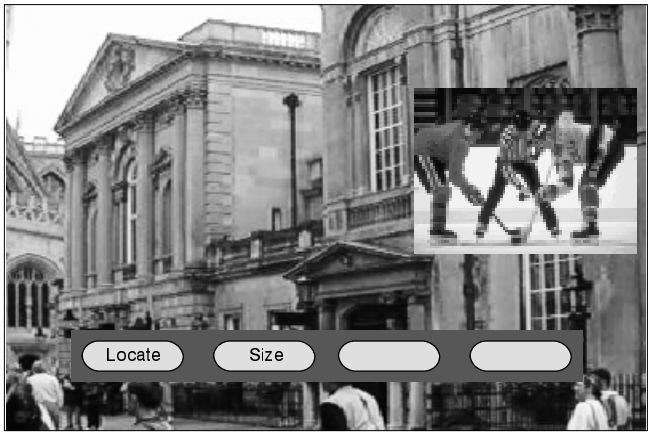


STILL Control
The STILL key allows you to freeze the picture at any time.

When using the STILL key with the PIP function press to freeze the Main picture, press again to release the Main picture and freeze the PIP picture, press again to release the PIP picture.

Pressing the PIP key will display the PIP picture (shown in 4:3 Normal mode)

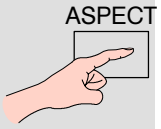
Pressing the PIP button a second time when viewing a widescreen picture will cause the Locate and Size reminder to be displayed. Simply choose the coloured button of the remote control if you wish to move or size the picture.

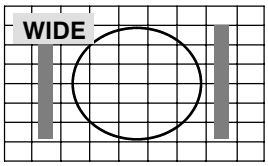


The PIP picture has been moved to an alternative position and made smaller by pressing the red key followed by the green key.

ASPECT CONTROLS

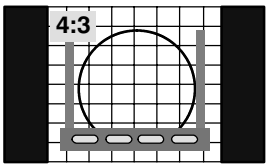
The widescreen TV will allow you to enjoy viewing the picture at its maximum size, including widescreen 'cinema format' pictures.



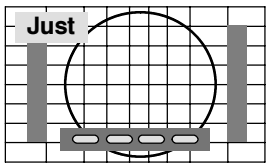


WIDE / PANASONIC AUTO

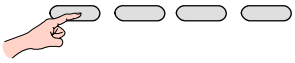
Some broadcasts are transmitted together with a wide screen identification signal (WSS). If the TV receives this signal then it will automatically switch to wide screen 16:9 mode, maximum display.
The automatic widescreen switching depends upon reception conditions and the strength of the signal. If the signal is poor and therefore the WSS is weak then it is possible that the picture may not expand to full size and that the TV will display black areas around the edges.

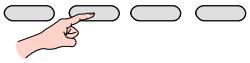


A 4:3 picture set to 4:3



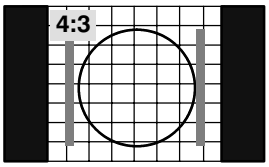
A 4:3 picture switched to Just mode





If the original source signal was a standard 4:3 aspect ratio then you might prefer to view in its original size; the red and green keys, that appear, will allow you to choose between viewing at standard **4:3** size or expanded in **Just** mode.

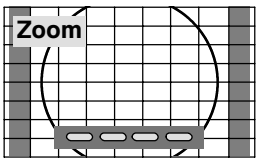
4:3

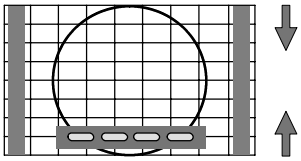


A 4:3 picture switched to its normal 4:3 viewing mode

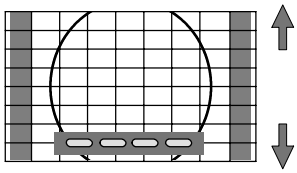
4:3 will display a 4:3 picture at its standard 4:3 size and can be selected if you wish to view in this format.

Zoom

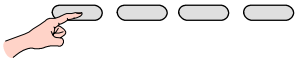




The red key will reduce the picture size vertically

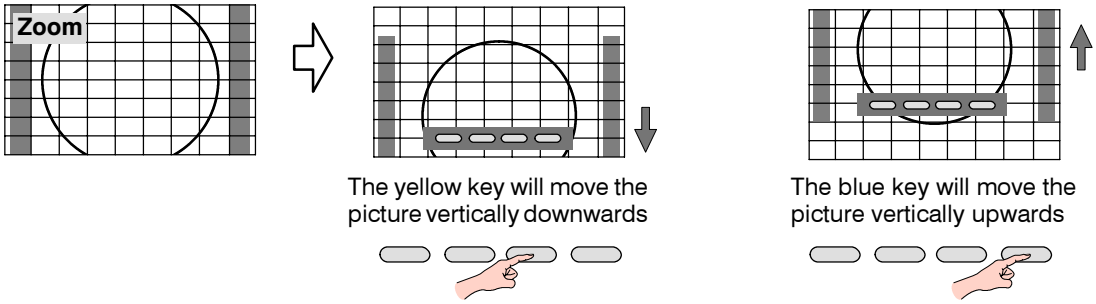


The green key will enlarge the picture vertically



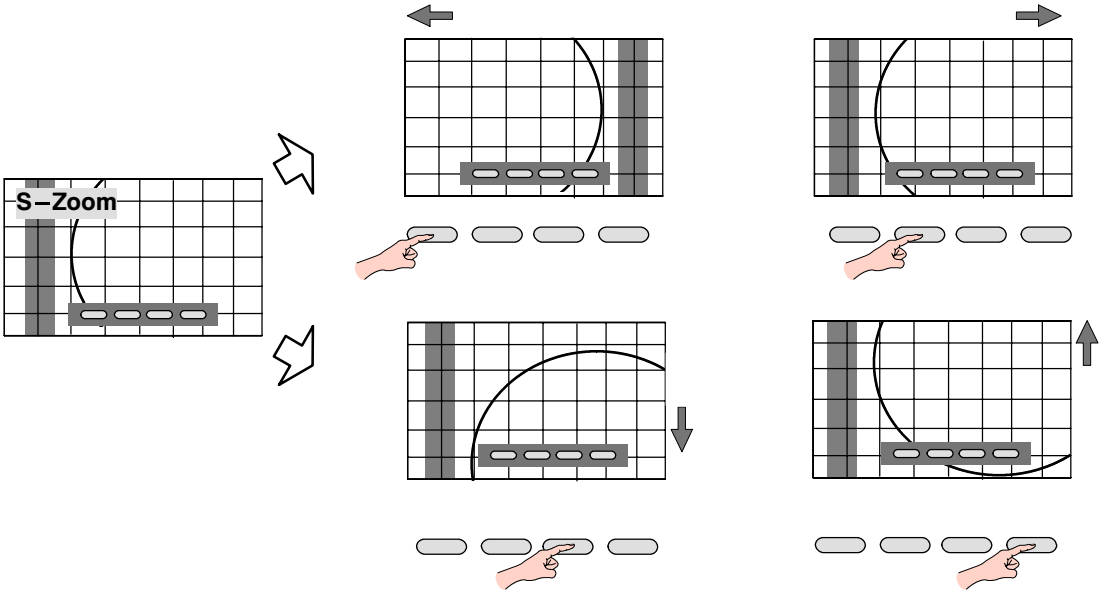
In **Zoom** mode the size of the visible picture may vary according to the aspect ratio of the original picture. The red and green keys allow you to adjust the size.

Zoom



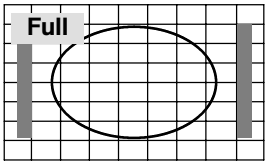
The picture can be moved vertically using the blue and yellow keys. The former adjustment is useful for viewing any sub–titles which may appear outside the picture.

S–Zoom



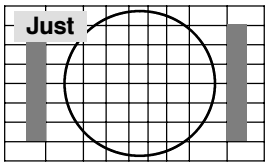
In **S–Zoom** mode the red and green keys will allow you to move the picture horizontally.
The yellow and blue keys will allow you to move the picture vertically.

Full



If a 4:3 broadcast is displayed In **FULL** mode, the image is stretched horizontally to fill the width of the screen.

Just



If a 4:3 broadcast is displayed in **Just** mode, the image is enlarged to completely fill the screen.

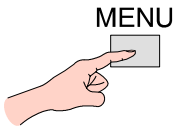
NOTES:

- The on screen selector keys that appear for some aspect functions will clear after a few seconds. If you subsequently wish to select an operation then press the Aspect key once more for the keys to reappear.
- The widescreen aspect ratios of different films and programmes can vary. If these are wider than a standard 16:9 aspect picture then a black band may be visible at the top and bottom of the screen.
- If, in WIDE mode, you experience problems with the screen display size when playing back widescreen format recordings (with WSS) from your VCR then it is possible that the tracking control of your VCR requires adjustment (your VCR instruction book will contain adjustment details).

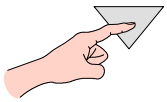
MAIN MENU

All menus start from the Main menu (except AV select and Tuning procedure (Front panel)). You will also find the basic picture adjustments within this menu.

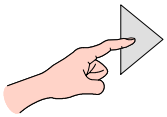
Open the Main menu



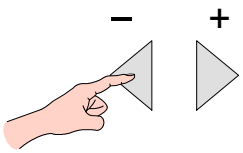
Move to your choice

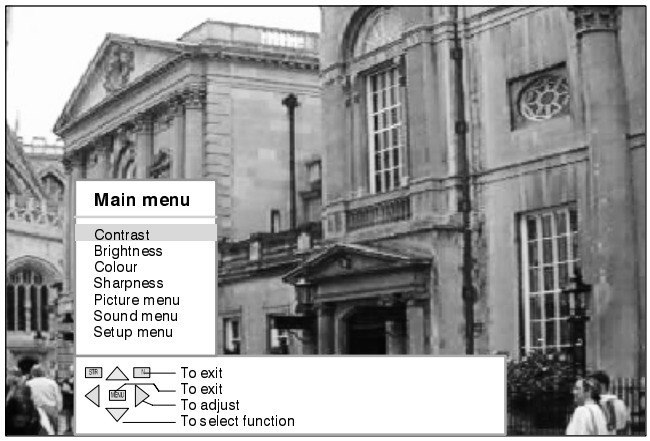


Access your choice



Increase or decrease levels or move to the Picture, Sound or Setup menus.





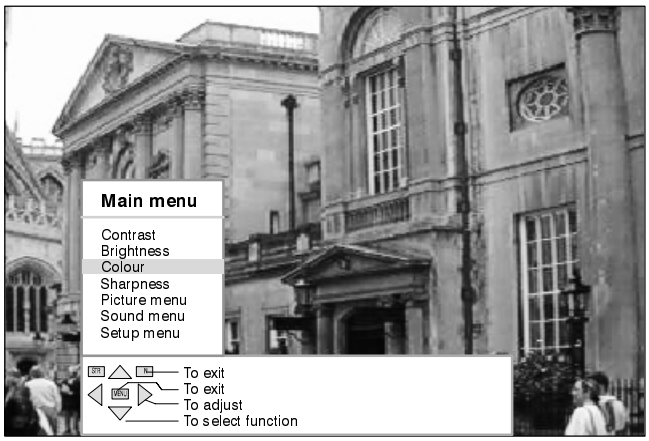
Contrast

Brightness

Colour

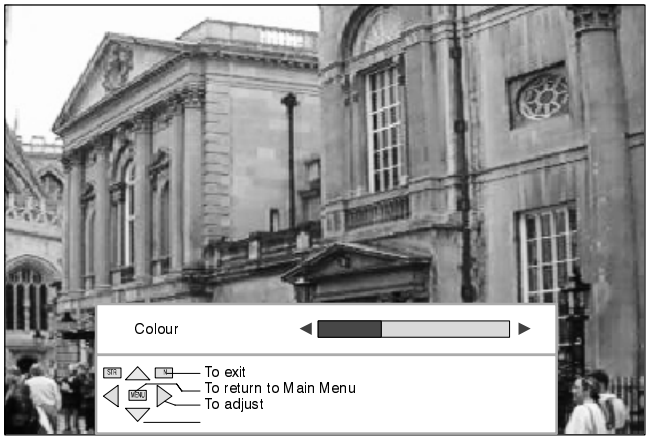
Sharpness

The Contrast, Brightness, Colour and Sharpness levels of the TV can be adjusted to suit your own preference.



Tint

The Tint adjustment will only appear as a menu item if you have an NTSC signal source connected to the TV and will allow adjustment of the hue.



Picture Menu

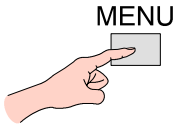
Accesses the Picture Menu.

Sound Menu

Accesses the Sound Menu.

Setup Menu

Accesses the Setup Menu.



To close Main menu

OR

Return to main menu when in sub menu.

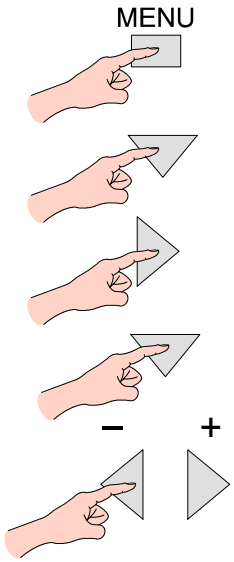
Open the Main menu

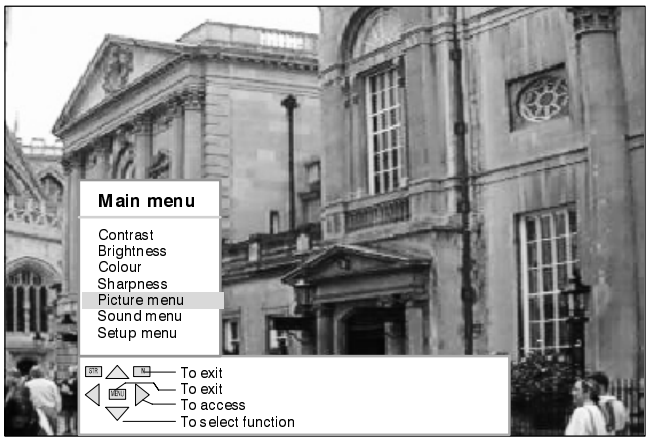
Move to Picture menu

Access Picture menu

Move to your choice

Choose from options





AI

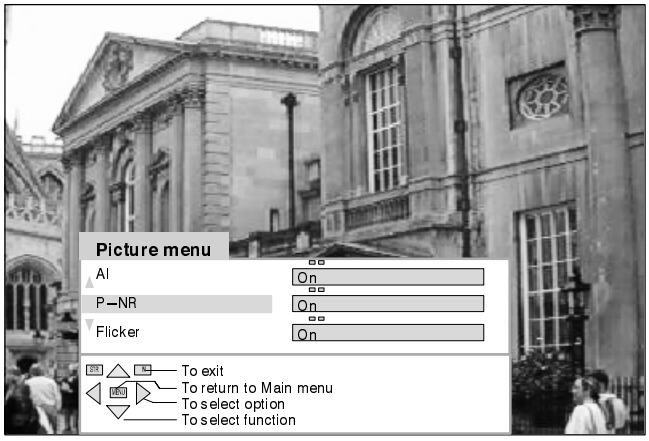
AI automatically analyses the incoming picture and processes it to give improved contrast and optimum depth of field.

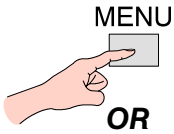
P–NR

P–NR will automatically reduce unwanted picture noise.

Flicker

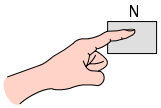
Reduces picture flicker in the ON position. (Normally set to ON).





Return to Main menu

OR



To exit menu system

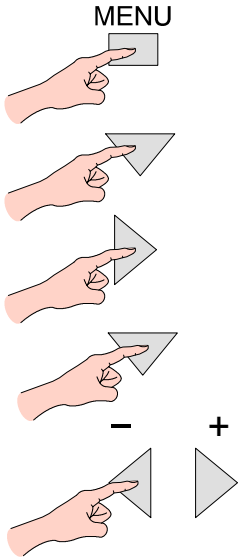
Open the Main menu

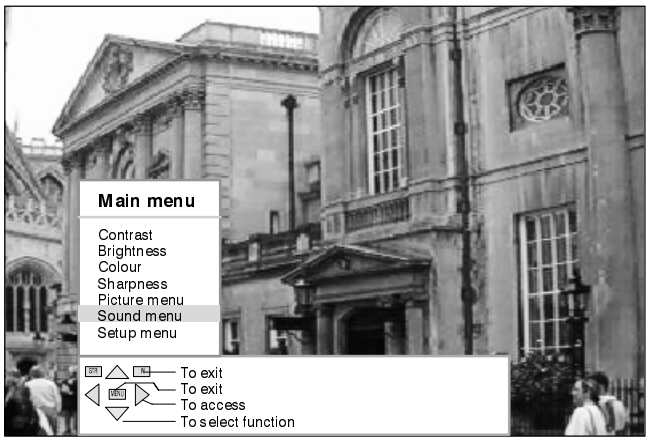
Move to Sound menu

Access Sound menu

Move to your choice

Increase or decrease levels, choose from options or access the menus





Bass

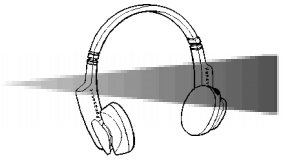
Bass adjustment will emphasise the lower, deeper frequencies and can be increased or decreased.

Treble

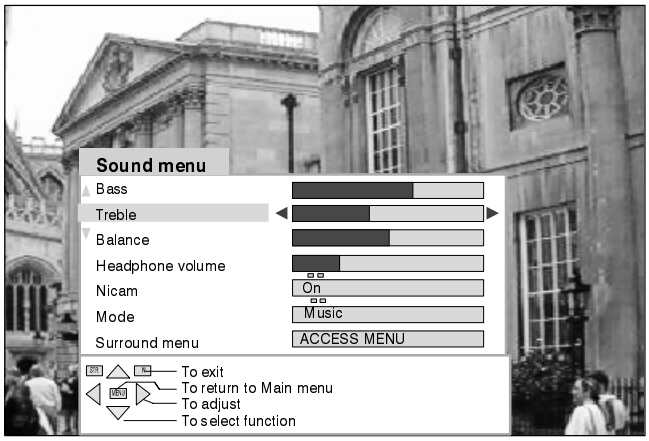
Treble adjustment will emphasise the sharper, higher frequencies and can be increased or decreased.

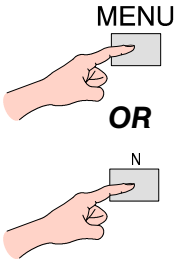
Balance

(This function will only operate with the Surround feature switched Off – See page 28). Balance affects the levels of sound between the left and right speakers. Adjustment can be made so that the level from between speakers will suit your listening position.



The headphone volume can be adjusted independently of the TV speakers so that everyone can enjoy listening at their own comfort level.





Return to Main menu

To exit menu system

Nicam

Select On to provide stereo sound reproduction. Select Off for FM Mono sound output.
If Nicam Mono is being transmitted select either FM Mono (Off), Nicam Mono I (M1) or Nicam Mono II (M2). The options depend upon the signal being transmitted. If reception deteriorates it is advisable to switch to FM Mono (Off).
When Nicam transmissions are not being received the sound will be FM Mono (Off) only.

Mode

The sound can be improved during Music or Speech mode by selecting the appropriate function. When in Speech mode an additional internal centre speaker is automatically activated to enhance the sound quality.

Surround Menu

Leads to the Surround menu for Dolby Pro Logic and simulated modes of operation, as described on pages 27 to 29.

Volume correction

Volume Correction (in AV mode only) allows different volume levels to be set for TV and AV signals. See page 26.

The Setup menu provides access to various advanced features and also to the Tuning menu

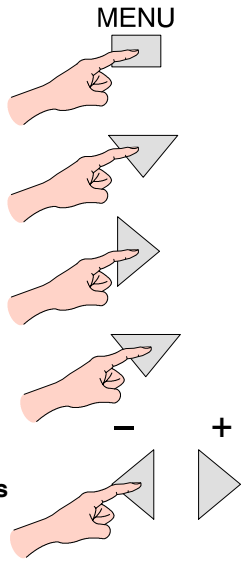
Open the Main menu

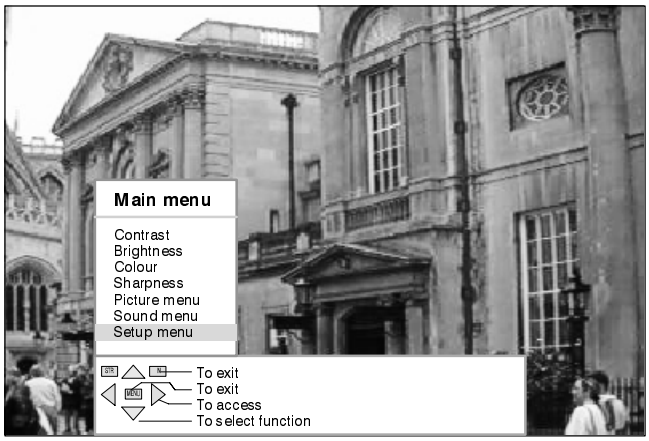
Move to Setup menu

Access Setup menu

Move to your choice

Choose from options or access the Tuning menu.



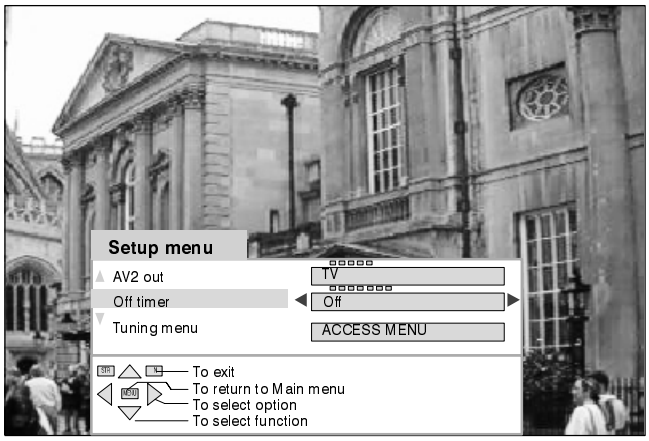


AV2 out

AV2 Out offers you a choice of output signals available on the AV2 SCART socket.
Choose from the current **TV** programme position, the signal entering **AV1**/**AV3**/**AV4** or **Monitor** – the picture displayed on screen.

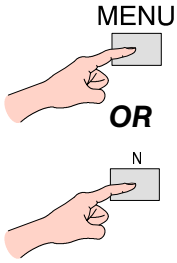
Off timer

Off timer will switch the TV off within a preset time which you can choose from between 0 to 90 minutes in 15 minute intervals.



Tuning menu

The Tuning menu provides an entry to many other features including Programme edit and Auto setup.



Return to Main menu

To exit menu system

The Tuning menu provides access to both manual and automatic tuning menus

Open the Main menu

Move to Setup menu

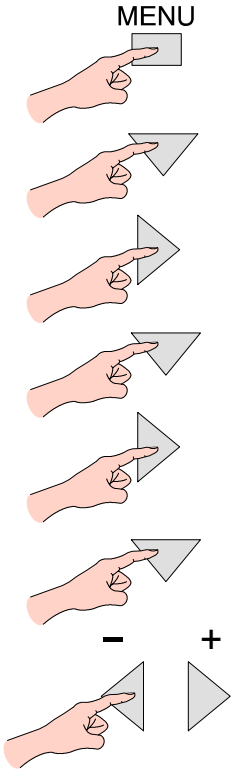
Access Setup menu

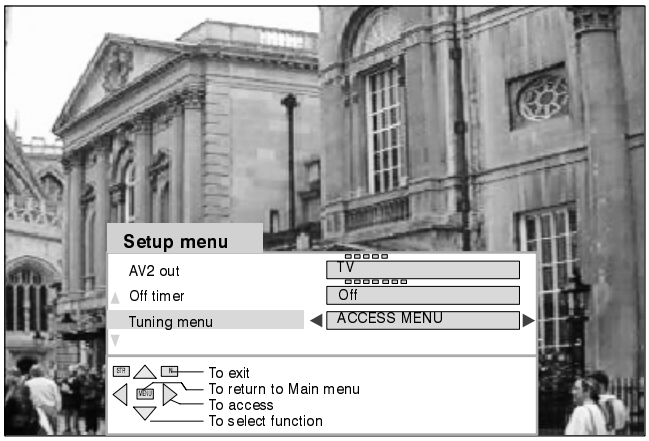
Move to Tuning menu

Access Tuning menu

Move to your choice

Access the menus





Programme edit

Accessing Programme edit menu will allow stations to be moved, added, deleted, named or locked. Further details on page 18.

Auto setup

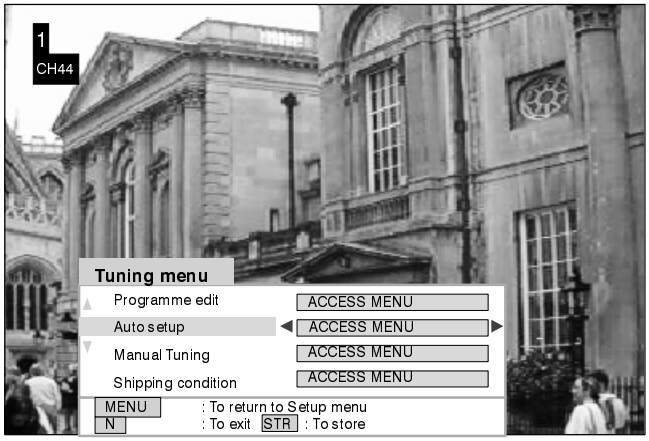
The Auto setup menu allows you to automatically retune the TV. Further details on page 23.

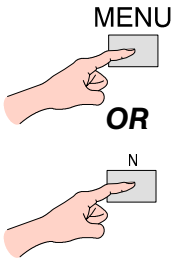
Manual Tuning

The Manual tuning menu allows individual programme positions to be tuned manually. Further details on page 24.

Shipping condition

Allows you to clear all tuning information and reset all control levels back to factory settings. Further details on page 25.



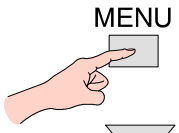


Return to Setup menu

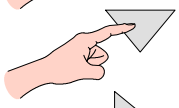
To exit menu system

The Programme edit menu allows you to delete, add, move, retune, name and lock channels

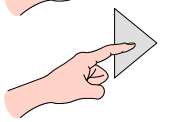
Open the Main menu



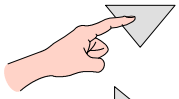
Move to Setup menu



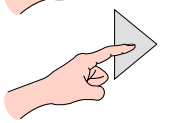
Access Setup menu

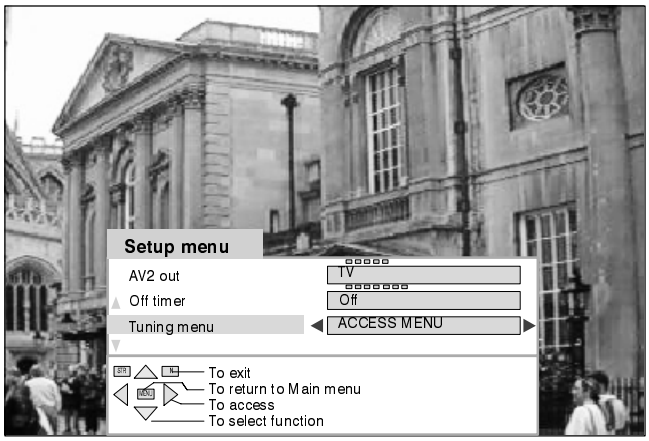


Move to Tuning menu

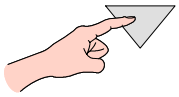


Access Tuning menu

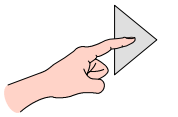


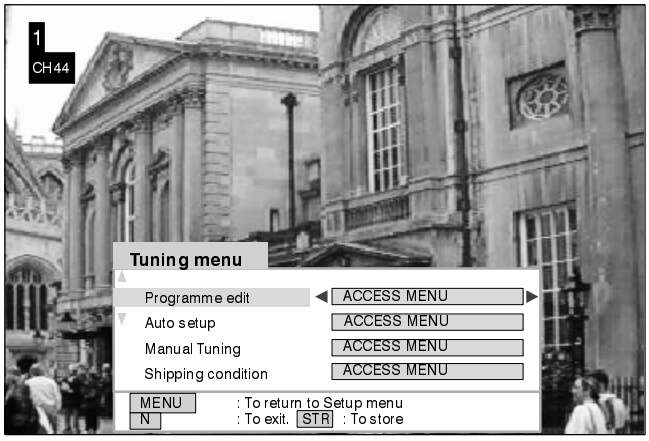


Move to Programme edit



Access Programme edit

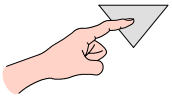




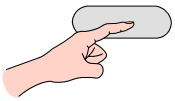
To delete an unwanted programme position

Ensure that the cursor is in the Prog. column.

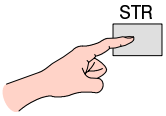
Choose the programme position

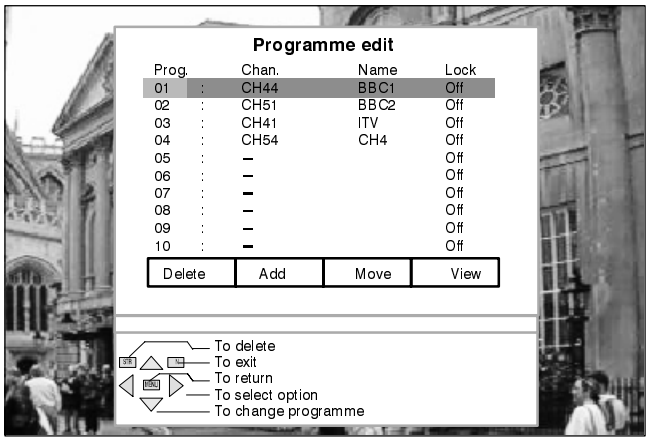


Press the red key on remote control

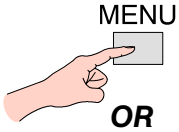


Press STR to delete



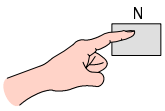


If you have completed changes to the Programme edit menu then



Return to Tuning menu

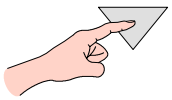
OR



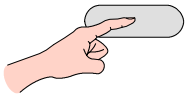
To exit menu system

To add a programme position

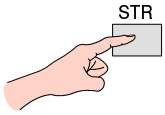
Choose the programme position



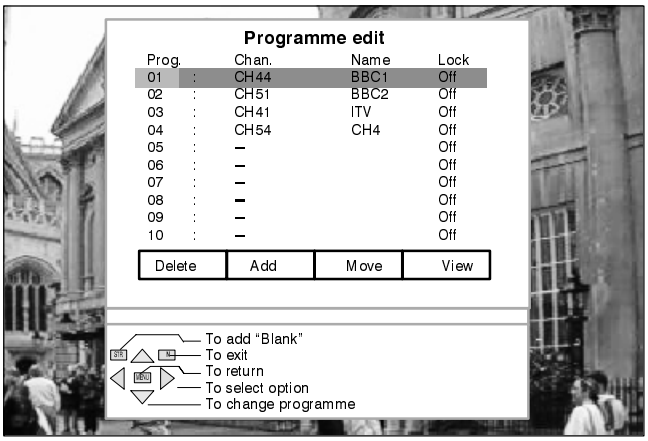
Press the green key



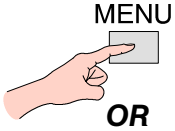
Press STR to add



This blank programme can then be tuned, named and locked.

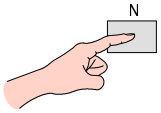


If you have completed changes to the Programme edit menu then



Return to Tuning menu

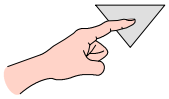
OR



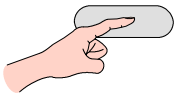
To exit menu system

To move a programme to another position

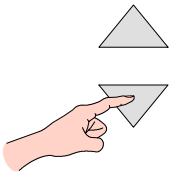
Choose the programme position



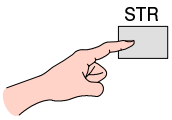
Press the yellow key on remote control



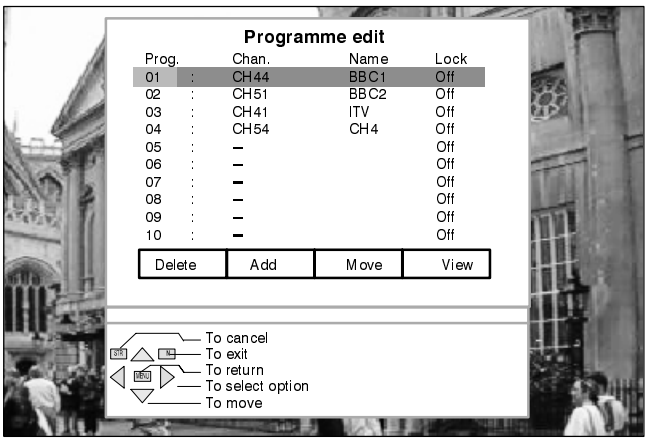
Choose new position



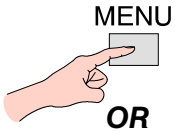
To action new position



Press STR to store

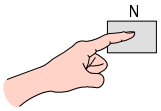


If you have completed changes to the Programme edit menu then



Return to Tuning menu

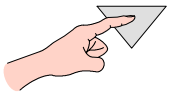
OR

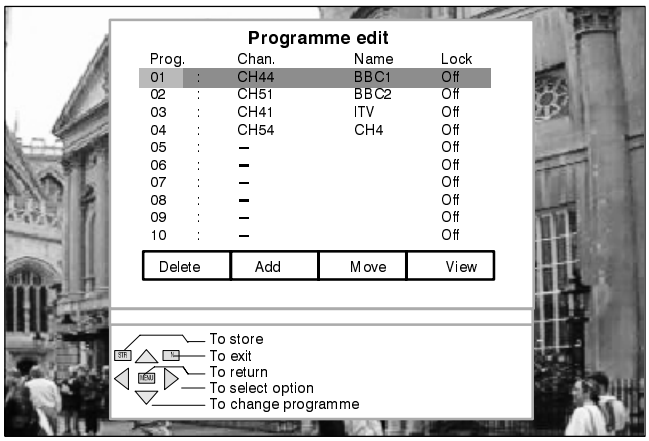


To exit menu system

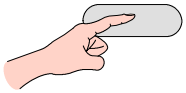
To view a programme position

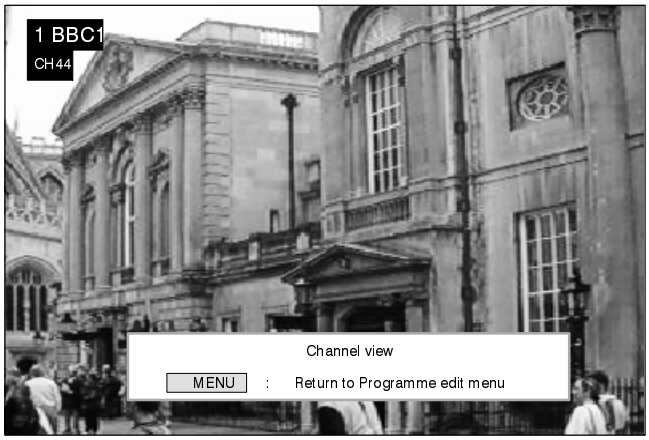
Choose the programme position



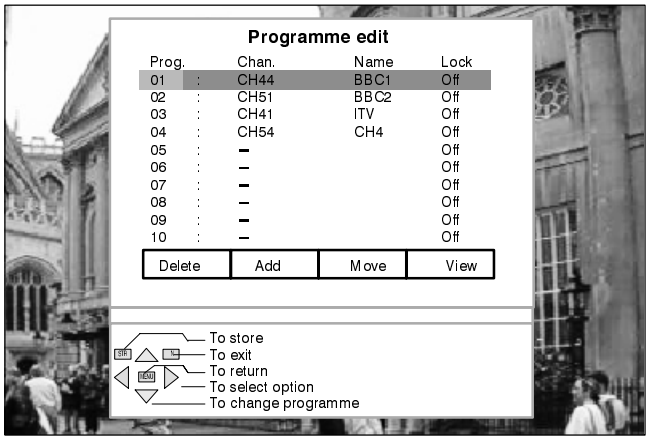


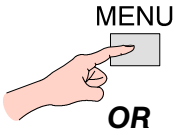
Press the blue key on remote control





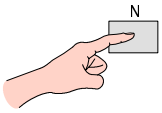
The screen will return to Programme edit after a few seconds





Return to Tuning menu

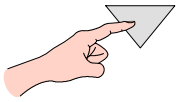
OR



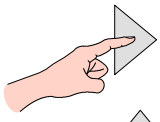
To exit menu system

To tune a programme position

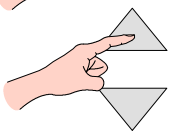
Choose the programme position



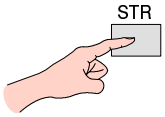
Move to the channel setting

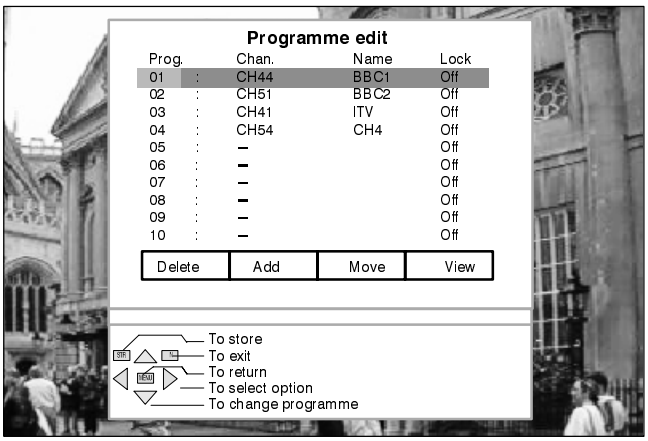


Increase or decrease channel number

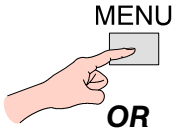


Press STR to store



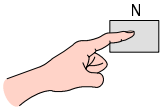


If you have completed changes to the Programme edit menu then



Return to Tuning menu

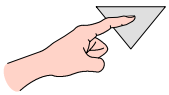
OR



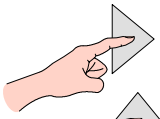
To exit menu system

To rename a programme position

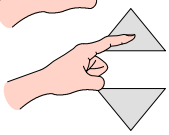
Choose the programme position



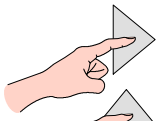
Move to the Name position



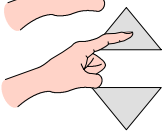
Choose the new character



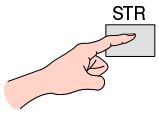
Move to the next character position



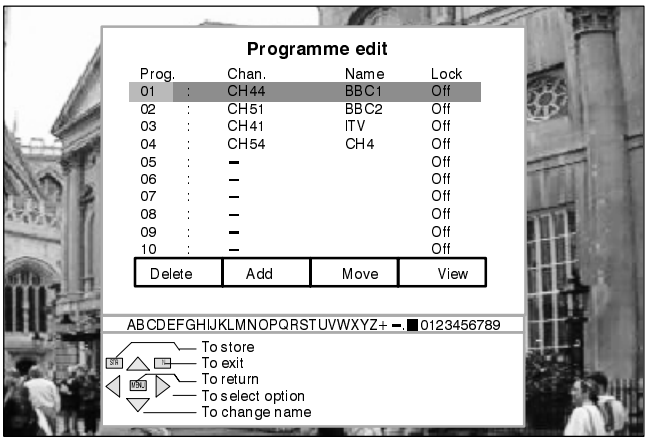
Continue until renaming is completed



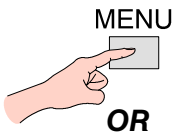
Press STR to store



"Programme edit" will flash to confirm that the new name has been stored.

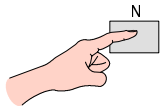


If you have completed changes to the Programme edit menu then



Return to Tuning menu

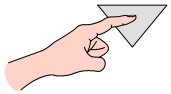
OR



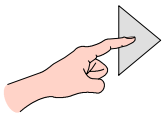
To exit menu system

To lock a programme position to prevent access

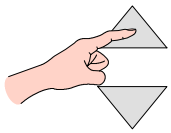
Choose the programme position



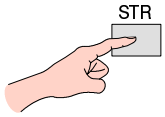
Move to the lock position

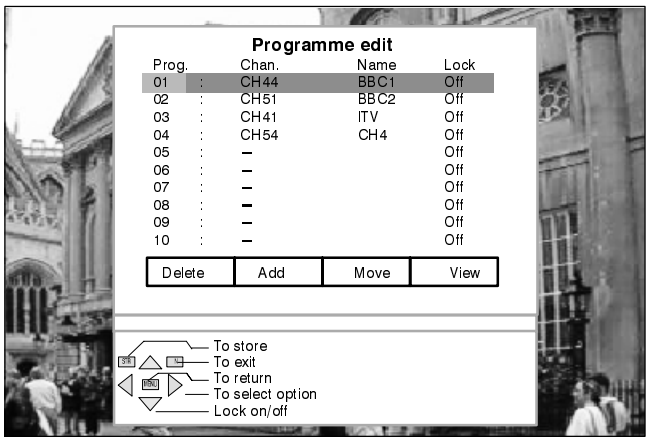


Choose between lock on or lock off

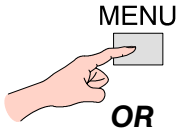


Press STR to store



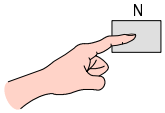


If you have completed changes to the Programme edit menu then



Return to Tuning menu

OR



To exit menu system

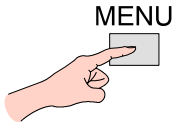
Access to the locked programme position is prevented.

When a programme position is locked, Direct Channel Access using the 'C' and numeric keys on the remote control is not available.

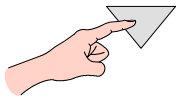
TUNING MENU – Auto setup (ATP)

The Auto setup menu will allow you to automatically retune the TV to your local stations. It is useful if you move to a different region.

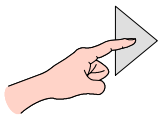
Open the Main menu

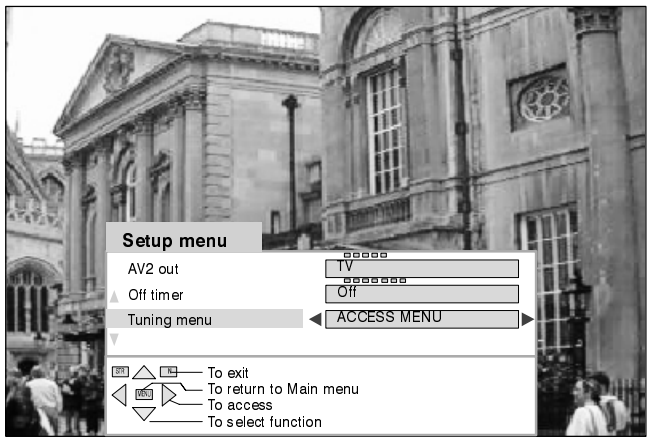


Move to Setup menu

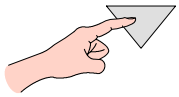


Access Setup menu

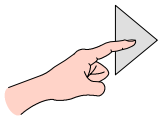


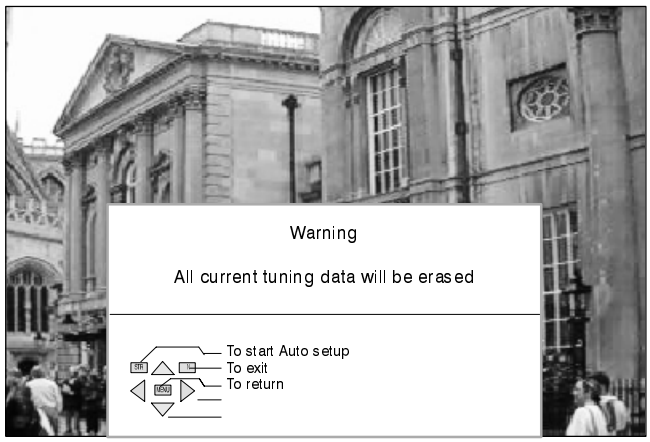


Move to the Tuning menu

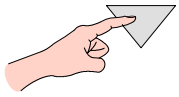


Access Tuning menu

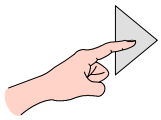




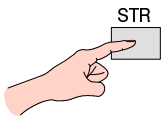
Move to Auto setup menu

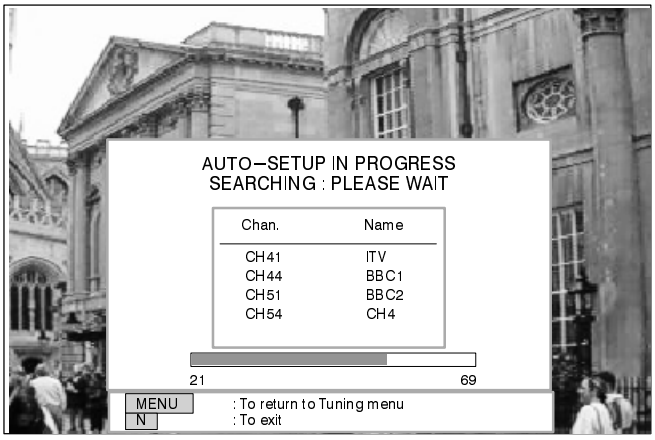


Access Auto setup menu



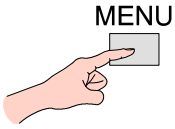
Press STR to start Auto setup





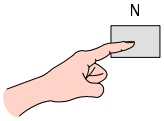
The TV will search for, locate and order your local stations.

Once this operation is completed the TV will display programme position 1.



Return to Tuning menu

OR



To exit menu system

Note :
The sorting order depends upon the TV signal, the broadcasting system, and reception conditions. If the order is not to your preference it can be rearranged. Refer to the Programme Edit menu – see page 18 for details.

Manual tuning of the Programme positions is available either from the on screen display menu or from the front panel controls

Manual tuning menu

Open the Main menu

Move to Setup menu

Access Setup menu

Move to Tuning menu

Access Tuning menu

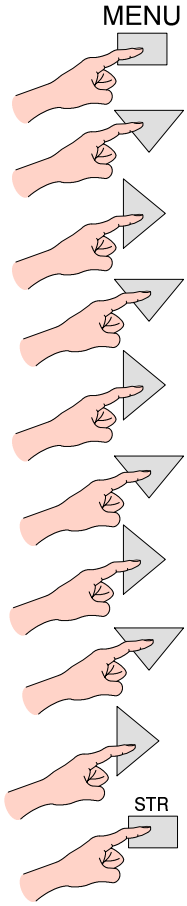
Move to Manual tuning

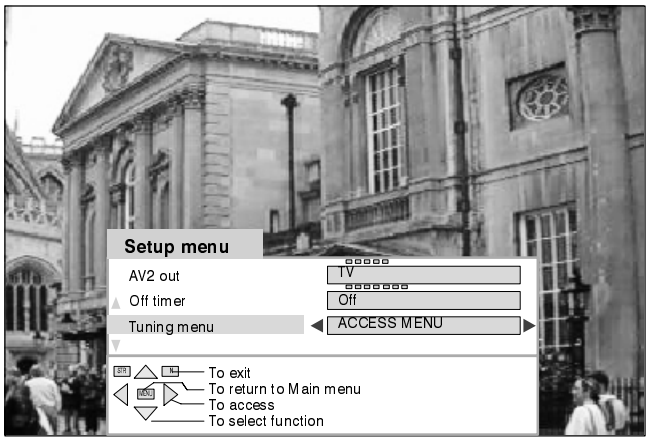
Access Manual tuning

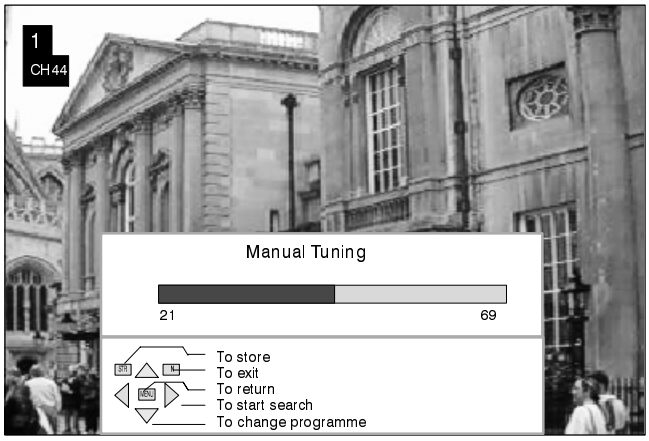
Select the programme position

Start tuning

Press STR to store







Manual Tuning (Front panel)

Press the F button (Front panel) until the Tuning menu is reached

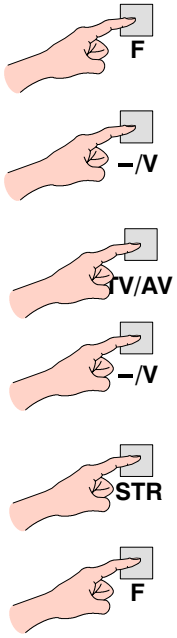
Press the – or + button to access Tuning menu

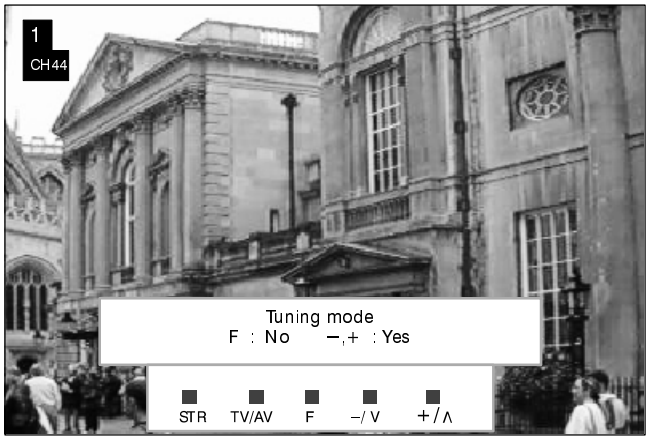
Press the TV/AV button to change to the required programme position

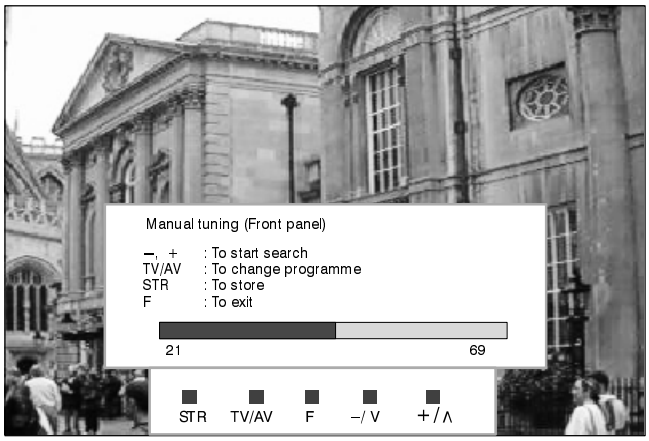
Press the – or + button to start the tuning search

Press STR to store changes

Press the F button to exit







TUNING MENU – Shipping condition

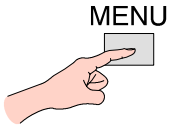
Shipping condition allows you to reset the TV to its original condition, i.e. no channels tuned in

This is useful for example, if you move to a different area then you will probably want the TV to tune itself to your new local stations.

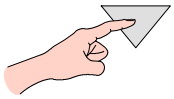
This can be done either through the **Shipping condition** menu or through the **Auto setup** menu.

The **Shipping condition** menu will reset all data, clearing all tuning information and resetting all control levels back to factory settings. You may need to adjust your VCR or programme position '0' VCR after operating the **Shipping condition** menu – refer to page 32.

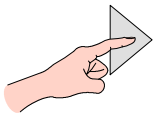
Open the Main menu

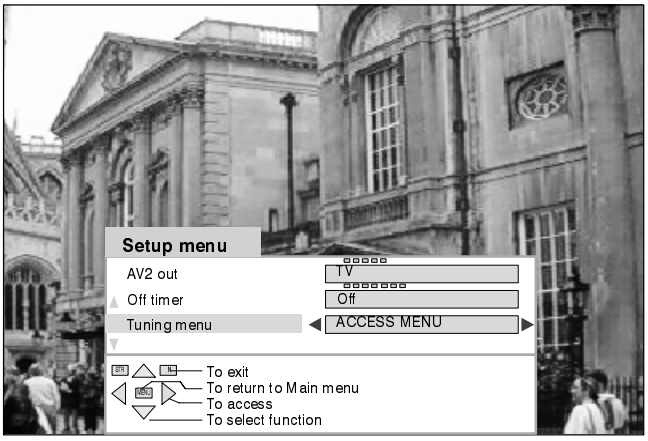


Move to Setup menu

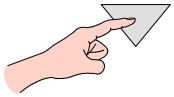


Access Setup menu

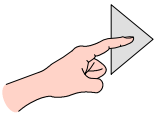


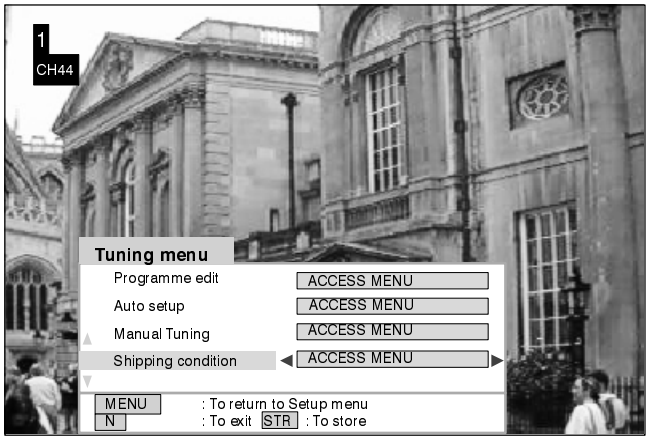


Move to Tuning menu

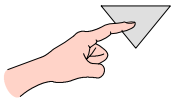


Access Tuning menu

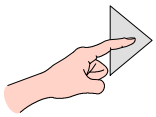




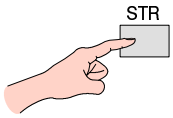
Move to Shipping condition



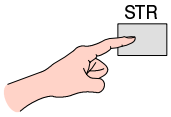
Access Shipping condition

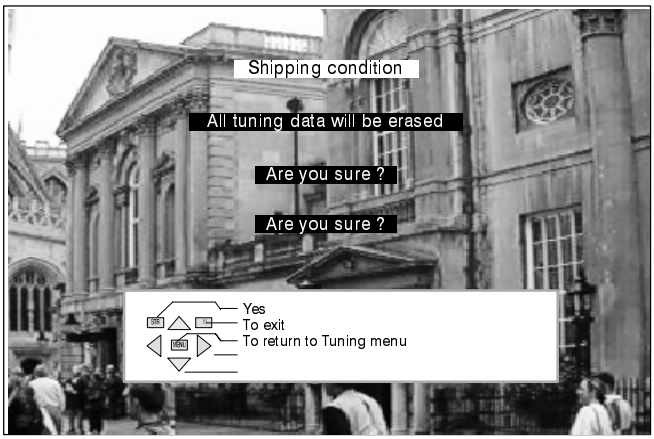


Press STR to start

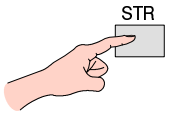


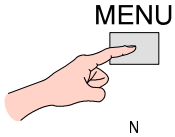
Press again, to confirm, each time that you are asked, "Are you sure?"





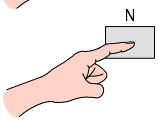
Switch TV off and wait for a few seconds.
Switch TV on again.
Auto setup tuning will begin, stations will be located, sorted and stored ready for use. See Page 23 for details.





Return to Tuning menu

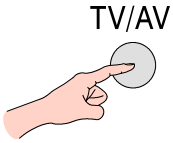
OR



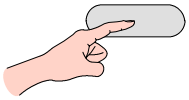
To exit menu system

The AV Select menu will allow you to choose which AV source to view

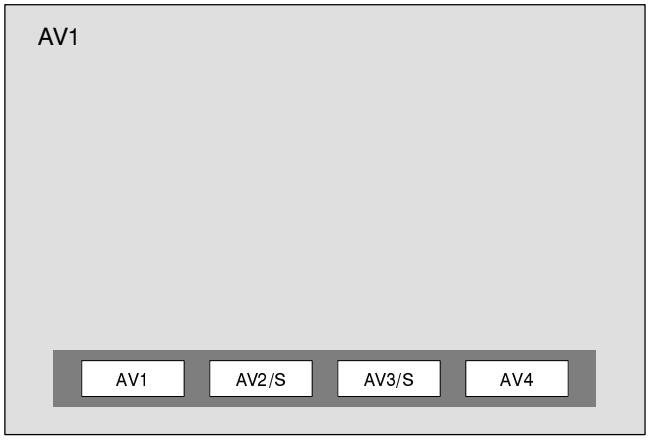
Press the TV/AV key (remote control or TV)



Press the appropriate coloured key of remote control (whilst the options remain on screen)

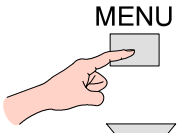


Press the green or yellow keys again to select S–Video input

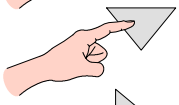


You may wish to make adjustments to the Setup or Sound menus

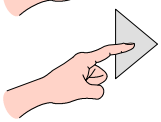
Open the Main menu



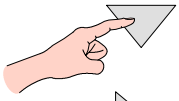
Move to Setup menu



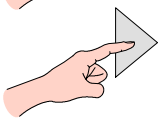
Access Setup menu

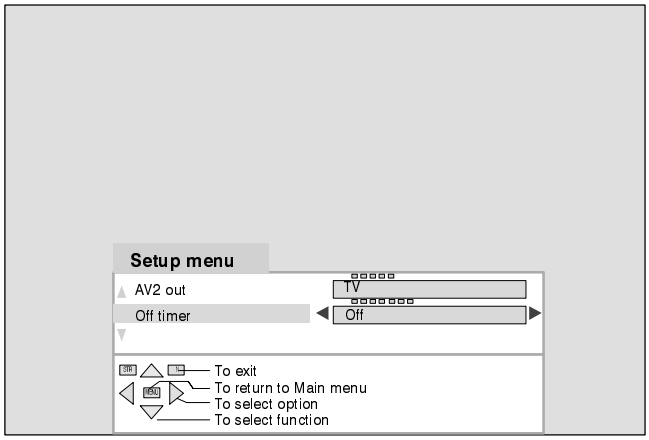


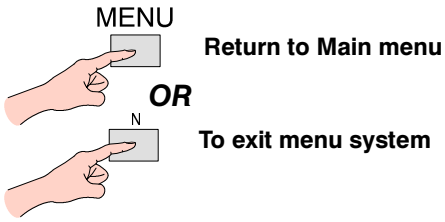
Move to your choice



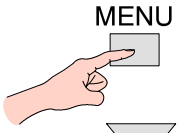
Access adjustments or options



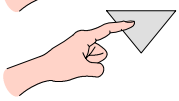




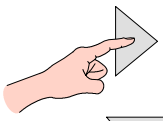
Open the Main menu



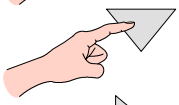
Move to Sound menu



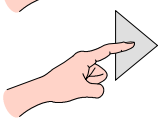
Access Sound menu

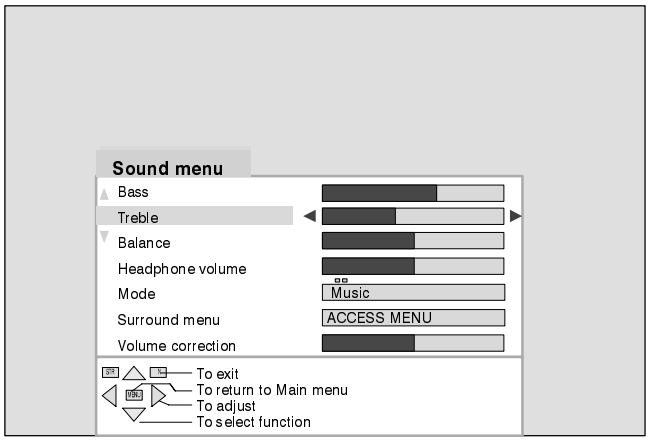


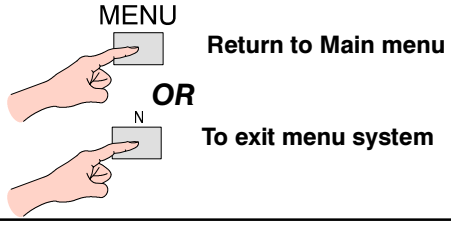
Move to your choice



Access adjustments or options







SURROUND MENU

Normally stereo reproduction uses left and right speakers, but **Dolby Pro Logic Surround** also uses a centre channel and a rear channel. The centre channel sharpens sound perspective and dialogue clarity whilst the rear channel is used to immerse the viewer in ambience and special effects.
To use **Dolby Pro Logic Surround** when receiving television programmes that have been produced with the **Dolby Pro Logic Surround** information, you must be able to receive NICAM Stereo transmissions. If NICAM Stereo transmissions are not transmitted in your area then the **Dolby Pro Logic Surround** information will not be present and it will not be possible to use Pro Logic operation (unless you are playing back from a stereo VCR, Digital Versatile Disc etc.).
Dolby Pro Logic Surround will operate with videos, laser discs and TV programmes that bear the **Dolby Surround** logo :

DOLBY SURROUND

Open the Main menu

Move to Sound menu

Access Sound menu

1. Move to Bass setting
Adjust to centre position

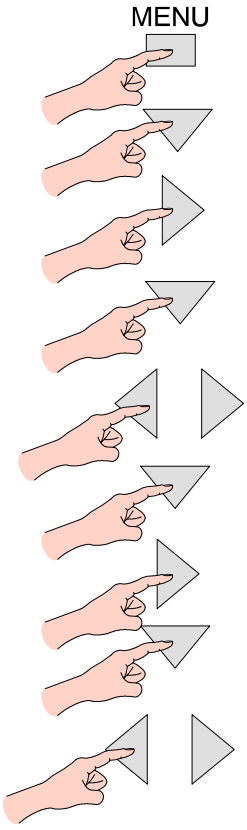
2. Move to Treble Setting
Adjust to centre position

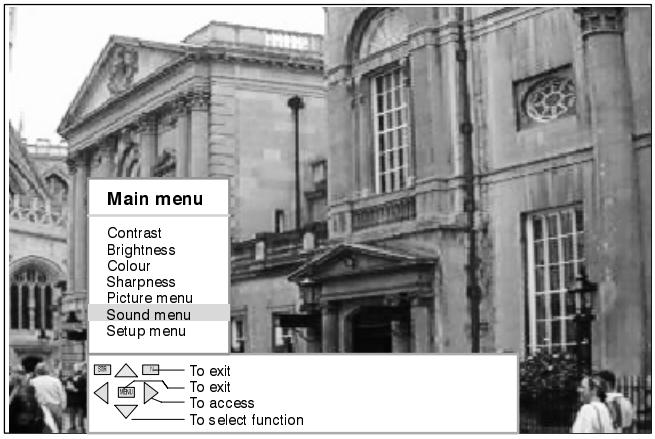
Move to Surround menu

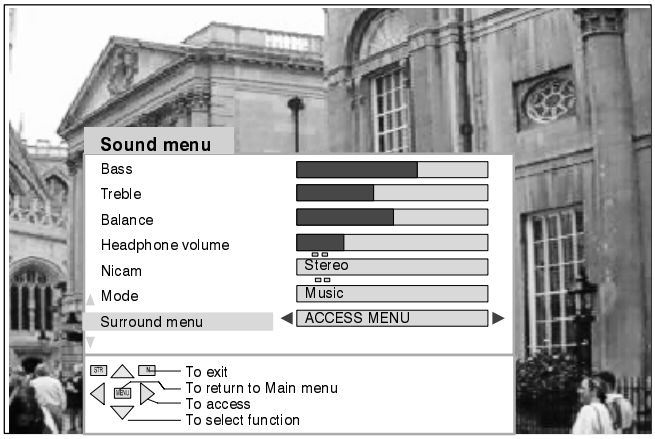
Access Surround menu

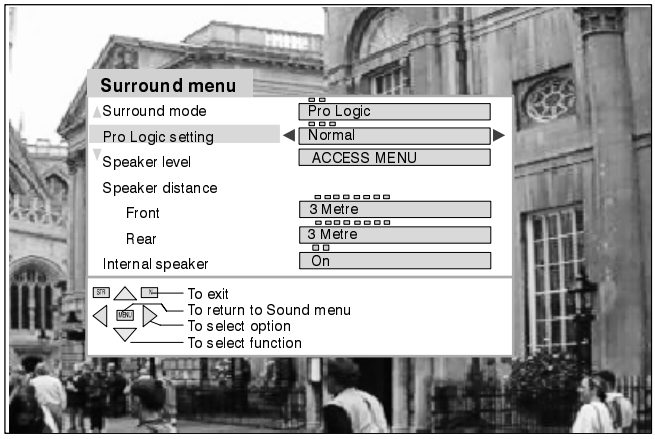
Move to your choice

Choose from options or access the speaker level menu.









Surround mode

Pro Logic / Simulated setting

Choosing Pro Logic allows selection of Normal, Phantom or 3 Stereo modes, as described on Page 28.
Choosing Simulated allows selection of Disco, Movie or Stadium modes, as described on Page 29.

Speaker level

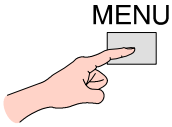
Allows adjustment of the output levels for each channel, as described on Page 29.

Speaker distance Front / Rear

Allows setting of the distance from the listening position to the front and rear speakers. If the rear surround speakers are closer to you than the centre speaker, you may hear dialogue "leakage" from the rear surround speakers. It may be necessary to reduce the output level of the rear channel to rectify this phenomenon.

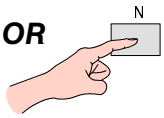
Internal speaker

Normally set to **On**, but, when separate external amplified front speakers are connected, then the internal speakers can be switched **Off**. See Page 36 for connection details.



Return to Main menu

OR

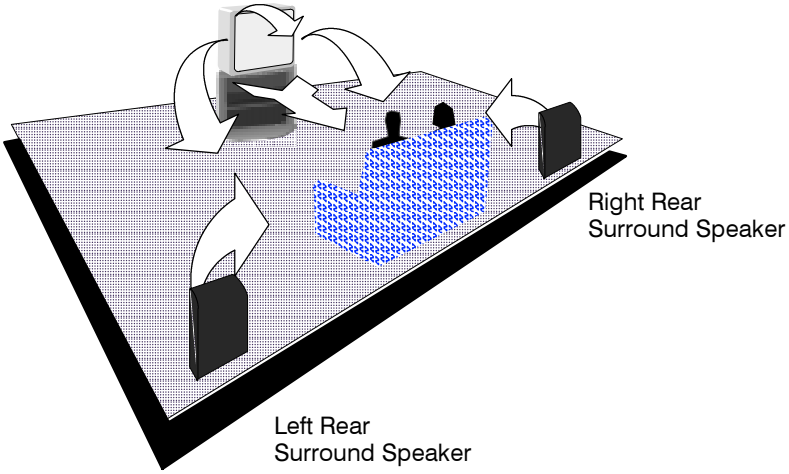


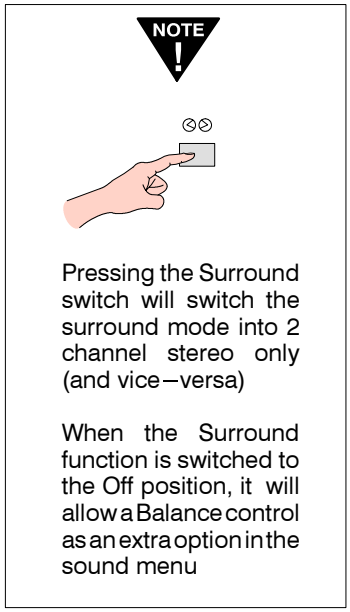
To exit menu system

Choosing Surround Pro Logic mode allows three possible modes of operation :

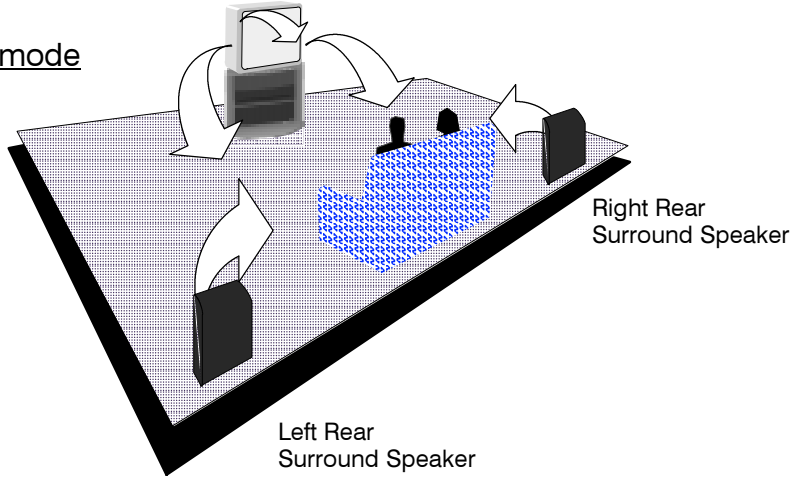
Normal, **Phantom** or **3 Stereo.**

Dolby Surround Pro Logic **Normal** mode

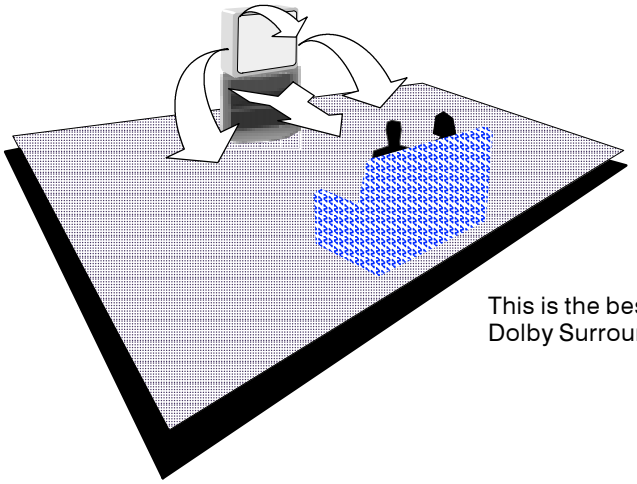




Dolby Surround Pro Logic **Phantom** mode



Dolby Surround Pro Logic **3 Stereo** mode



This is the best mode to use if rear speakers are not connected. It offers Dolby Surround Pro Logic effect but without the rear surround speakers.

SIMULATED MODE

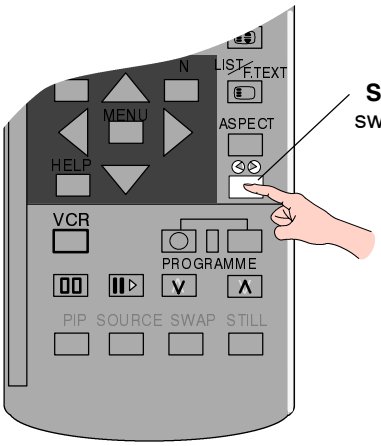
Simulated surround modes allow various types of surround effects to be produced by mimicking both the direct sound, as heard by the audience, and the sound reflected back from the surrounding walls e.g. ceiling and floor space in a space such as a Disco. There are three different effects to choose from, each reflecting a different atmosphere.

Setting	Effect	Appropriate sources
Disco	A room so full of music that it seems to engulf the listener.	Disco, Dance or Jazz music.
Movie	Playback of software (films) not encoded with Dolby surround.	All movies or music software recorded without Dolby surround.
Stadium	A large sports stadium packed for a live game.	Any live sports occasion.

SPEAKER LEVEL SETUP

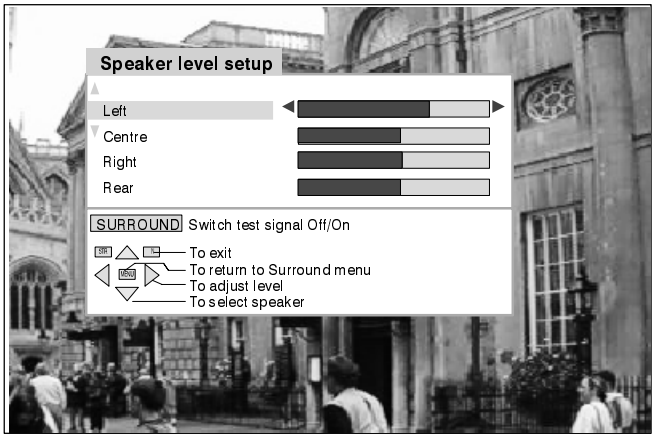
The speaker output levels from the different options, e.g. Left, Centre, Right and Rear should be adjusted, from your usual listening position, to obtain the best results. The level can be set using either the TV sound or the provided test signal.
When using external stereo equipment, it is advisable to set the speaker levels to the midpoint position.

The adjustments available will vary according to the mode chosen.



Surround switch
switches test signal
On / Off

Speaker level setup shown in Pro Logic mode



TELETEXT OPERATION

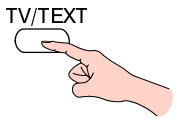
- Teletext features may vary depending on the Broadcasting Companies and is only available if the channel selected is transmitting Teletext.
- This TV set is capable of receiving German TOP Teletext transmissions, it will automatically switch to them if they are being received. This will be indicated in the display area at the bottom of the screen.
- Pressing the **MENU** key whilst in Teletext operation will display the contrast function with a cyan bar, press ◀ ▶to alter the setting as required.
- When in teletext mode, the volume may still be altered to the desired listening level.

What is LIST mode?

In LIST mode, four differently coloured page numbers are situated at the bottom of the screen. Each of these numbers can be altered and stored in the TV's memory.

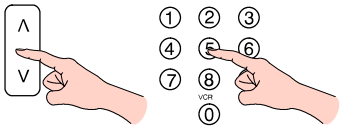
What is FASTEXT?

In FASTEXT mode, four differently coloured subjects are situated at the bottom of the display. To access more information about one of these subjects, press the appropriately coloured button. This facility enables fast access to information of the subjects shown.



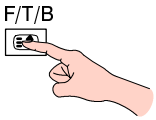
TV / Teletext mode

Press the **TV/TEXT** key.
The screen will display the Teletext page.
Press again when you wish to return to TV. mode.



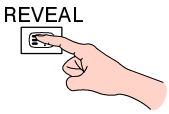
Page Selection

Pages can be selected in two ways :
a. Press the Up / Down keys to increase or decrease the page number by one.
b. By entering the page number, using 0 –9 on the remote control.



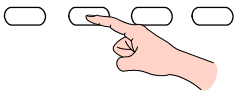
Full / Top / Bottom

Press to expand the TOP half of the page.
Press again to expand the BOTTOM half.
Press again to return to normal (FULL) size.



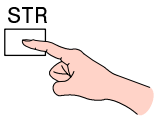
Reveal

Press to reveal hidden words e.g. quiz page answers.
Press again to hide.



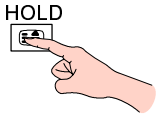
Red / Green / Yellow / Blue keys

In FASTEXT mode these correspond to the differently coloured subjects.
In LIST mode they correspond to the differently coloured page numbers.



List Store

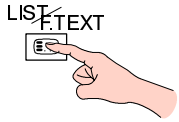
In LIST mode the four page numbers can be altered for channel positions 1 – 25 only.
To do this, press one of the coloured keys and enter the new page number.
Press and hold **STR**, the page numbers will change colour.



Hold

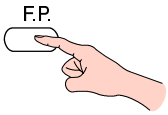
To hold the Teletext page when viewing multipage information.
Press again to return to automatic page update.

It is not possible to change the programme position when in News flash, Update or Sub Coded Page Access operation.



List / F.text

Press to change from FASTEXT mode to LIST mode and vice versa.
In FASTEXT mode four differently coloured subjects are displayed at the bottom of the page. Press the appropriate coloured key to access more information about one of these subjects.

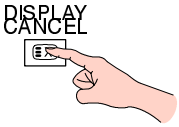


Favourite Page (F.P.)

Stores a favourite page in memory for instant recall. To store such a page, the TV must be in LIST mode, and the programme position must be from 1 – 25. Press the **BLUE** key, select the page number, then press **STR**. The page number is now stored.
Press **F.P.** to recall this page.

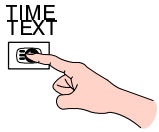
Display Cancel

Press **DISPLAY CANCEL** to view the TV picture whilst searching for a Teletext page.
When found, the screen will display the page number at the top left.
Press **DISPLAY CANCEL** to view the page.
Press **TV** / **TEXT** to return to normal TV operation.



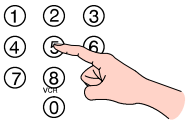
News Flash
When a news flash page has been selected, press **DISPLAY CANCEL** to view the TV picture, when an update is received, it will be displayed on screen.
Press **DISPLAY CANCEL** to remove updated news.
Press **TV** / **TEXT** to return to normal TV. operation.

Update
Press **DISPLAY CANCEL** to see the update of information on certain pages.
When an update is received, the page number will be displayed at the top left of the screen.
Press **DISPLAY CANCEL** to view the page.
Press **TV** / **TEXT** to return to normal TV. operation.



Sub Coded Page Access

When teletext information exceeds more than one page, it may take some time for the automatic changing of the sub pages to reach the sub page you require. It is possible to enter your required sub page and continue watching the normal programme until the correct sub page is found.
Select the required page number using keys 0 – 9.

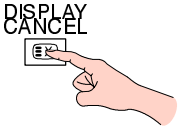


Press **TIME TEXT**, **** will be displayed (top right of the screen).

Enter desired sub page number before the **** disappears.
To select page 6 enter 0, 0, 0 and 6.

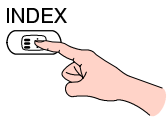
If in LIST mode, a 'T' will appear in the current box at the bottom.

Press **DISPLAY CANCEL** to view a normal TV programme.



When the page is available, press **DISPLAY CANCEL** to view the page.
To clear the page perform one of the following :

- Select a new page number.
- Press **TV**/**TEXT** to return to normal TV operation.



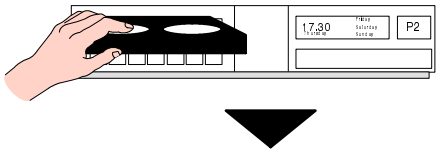
Index

When in FASTEXT operation
Press **INDEX** to return to the main index page.
Depending on the way information is transmitted, this may have to be pressed more than once to return to the main index page.

VCR AND SATELLITE RECEIVER INSTALLATION

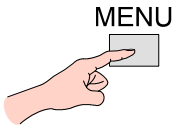
Your new TV is supplied with programme position ‘0’ set to receive an RF signal from your VCR, although a SCART connection is preferable if the VCR is so equipped.
However, if for some reason your VCR is tuned to a different RF channel then you will not receive any picture or sound from your VCR on programme position ‘0’ of the TV. It will be necessary to either adjust the RF channel of your VCR (some VCR’s are capable of adjusting their RF channel via their remote control unit) or to adjust the tuning of the TV’s programme position ‘0’ or both until it receives the RF output channel of your VCR.
It is intended that this advice is used in conjunction with the instruction books for your ancillary equipment.
To connect a VHS VCR use the AV1 socket. To connect an S–Video VCR use the AV2 socket.

To tune your TV to the VCR

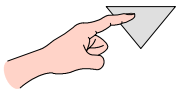


Switch on the VCR and insert a pre–recorded tape with known content

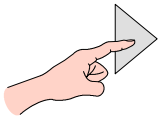
Open the Main menu

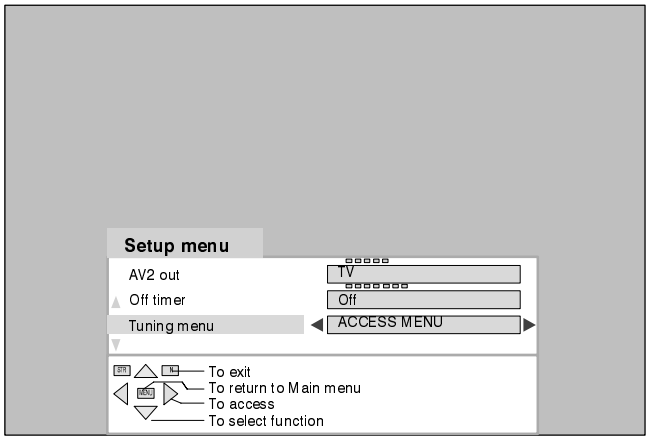


Move to Setup menu

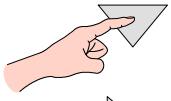


Access Setup menu

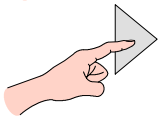




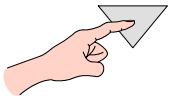
Move to Tuning menu



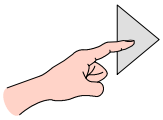
Access Tuning menu

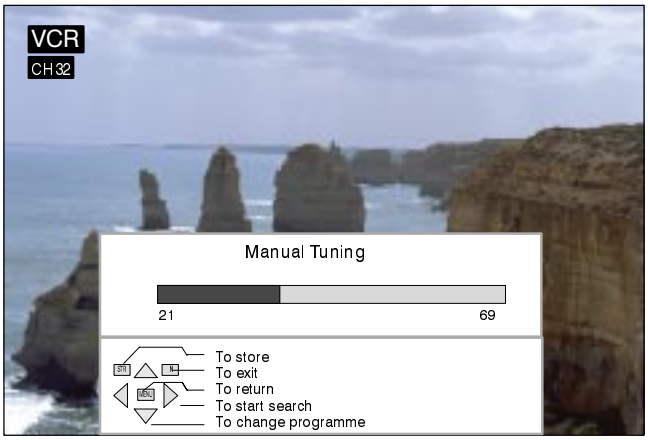


Move to Manual tuning

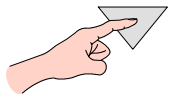


Access Manual tuning

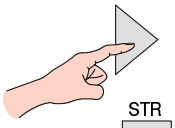




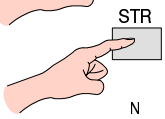
Select programme position ‘0’ VCR



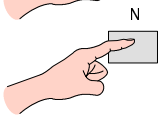
Start tuning, searching for the VCR playback of the known content tape



When the VCR playback is found, press STR to store



Press N to exit menu system



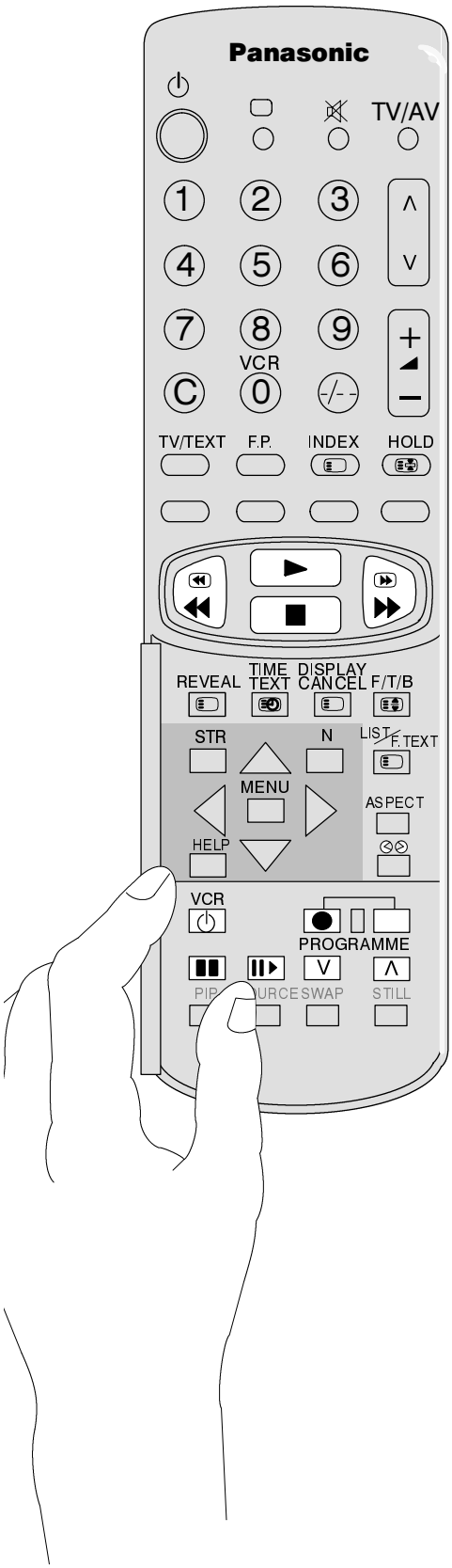
See below for installation of VCR <u>and</u> Satellite Receiver.

Notes :

- If picture patterning occurs on programme position ‘0’ it may be necessary to adjust the RF output channel of the VCR, refer to the VCR instruction book.
- If a Satellite Receiver and a VCR are going to be used **it is important**, to avoid tuning problems, that they are both tuned to output their signals on differing channels. For example, if the VCR is tuned to output channel 32, the Satellite Receiver could be set to output channel 34. Refer to the Satellite Receiver and VCR instruction books for precise tuning information.

VCR CONTROL

The Remote Control is capable of operating some functions of selected Panasonic VCRs, please consult your dealer for details. Some VCR have different functions, so to ensure compatibility, please refer to the VCR's instruction book.



VCR

Standby
Press to switch the VCR to standby mode. Press again to switch back on.

Play
Press to playback the tape.

Stop
Press to stop the tape.

Fast Forward / Cue
Press to fast forward the tape. In Play mode, press to view the picture rapidly forward.

Rewind / Review
Press to rewind the tape. In Play mode, press to view the picture in reverse rapidly.

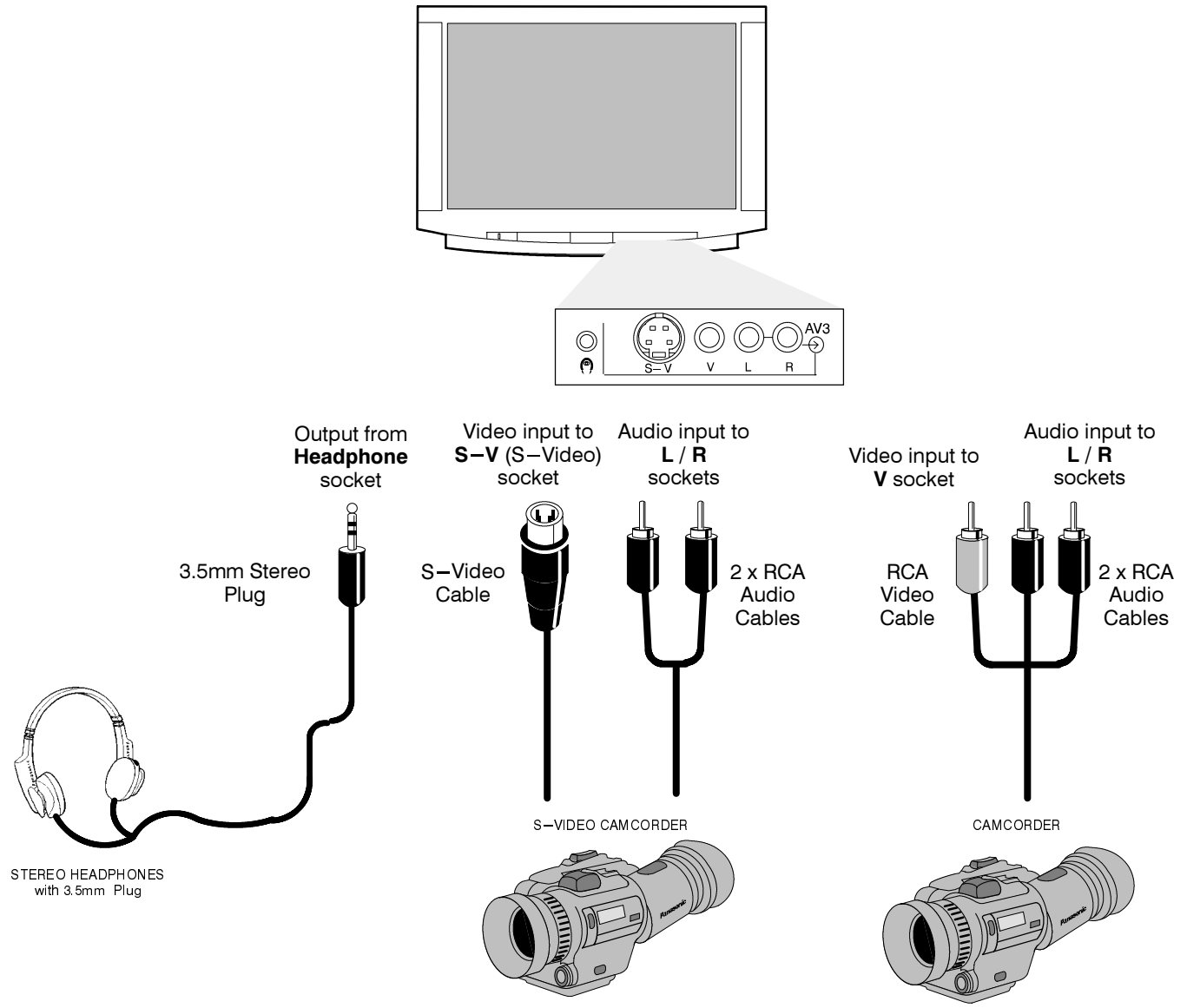
Pause / Still
Press in playback mode, the picture will pause.

Still Advance
While in PAUSE / STILL mode, press to advance the picture one frame at a time.

Programme Up / Down
Press to increase or decrease the VCR programme position by one.

Record
Press these together to record.

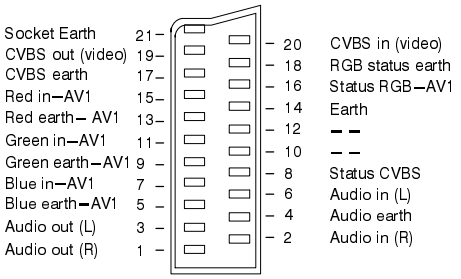
Front AV3 4 Pin S−Video, RCA Audio /Video and Headphone Sockets



Ancillary equipment and cables shown are not supplied with this TV set.

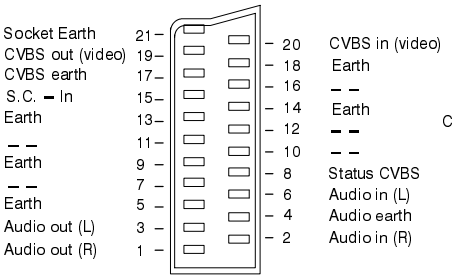
SCART and S−Video Terminal Information

AV1and AV4 21 pin SCART terminals



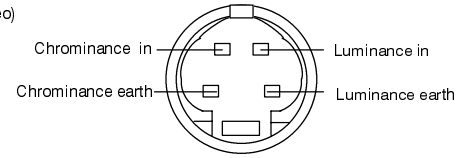
Suitable inputs for **AV1** include RGB (Red/Green/Blue).
AV4 does not have RGB input capability.

AV2 21 pin SCART terminal

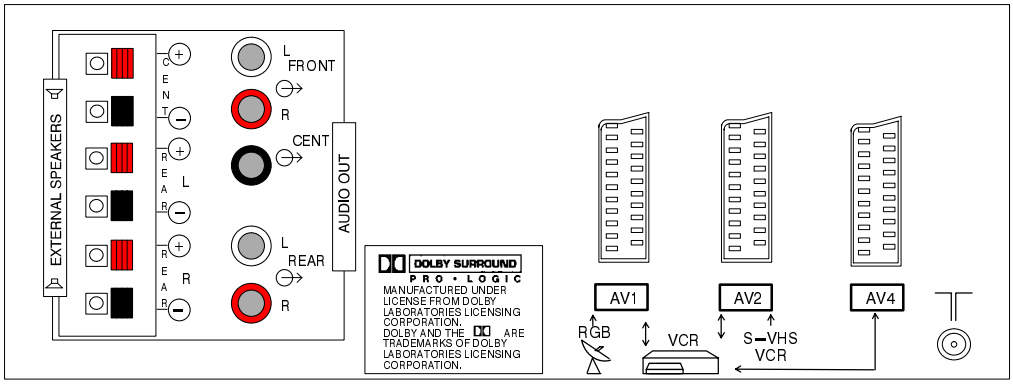


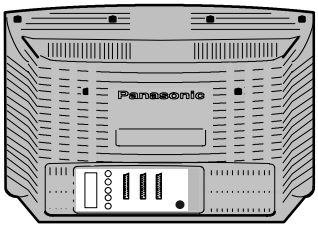
AV2 − Pins 15 and 20 are dependent on AV2 S−VHS / VIDEO switching.

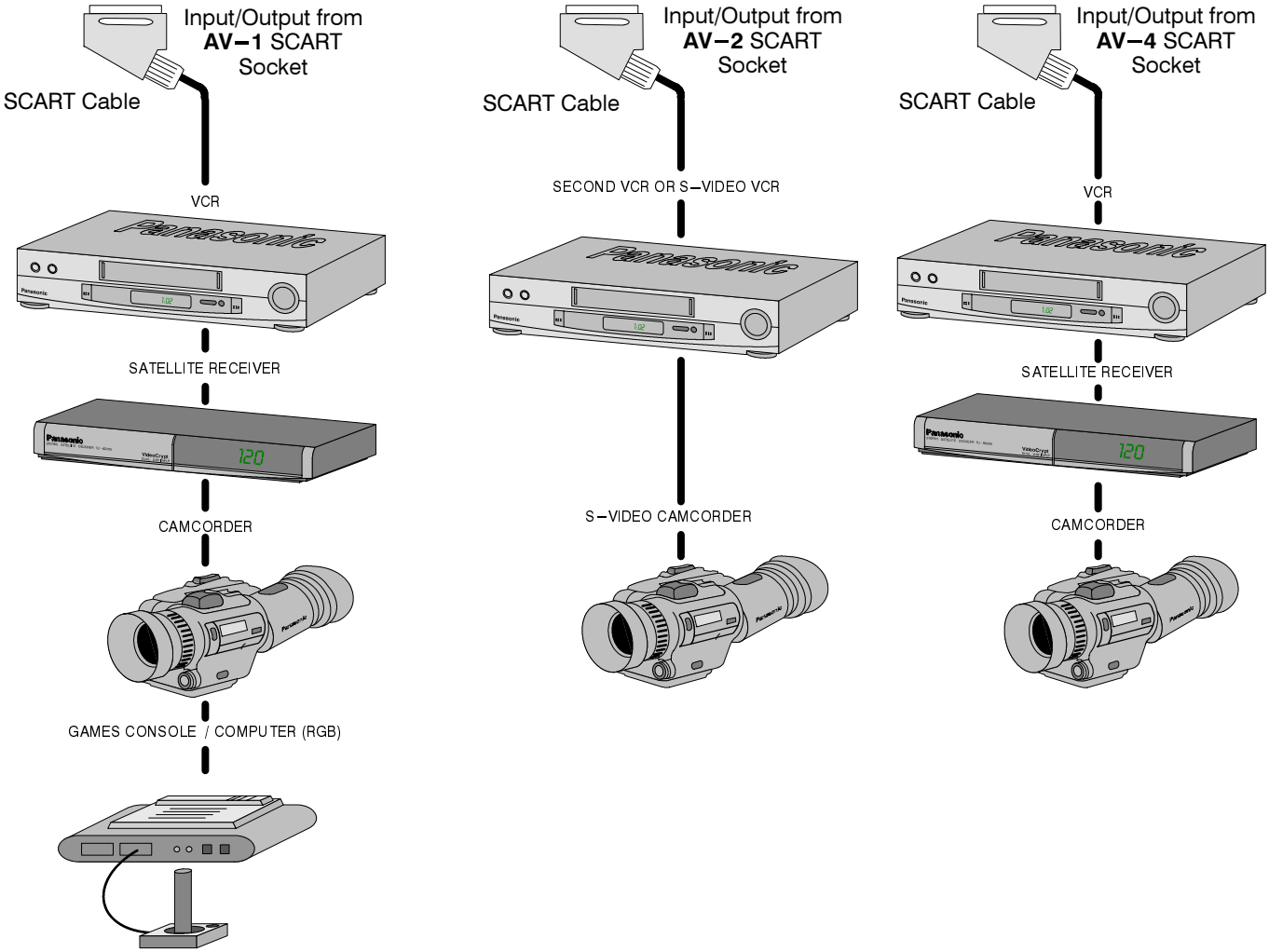
S−Video 4 pin terminal



Rear AV1/AV2(S)/AV4 21 Pin SCART and RCA Audio Out Terminals



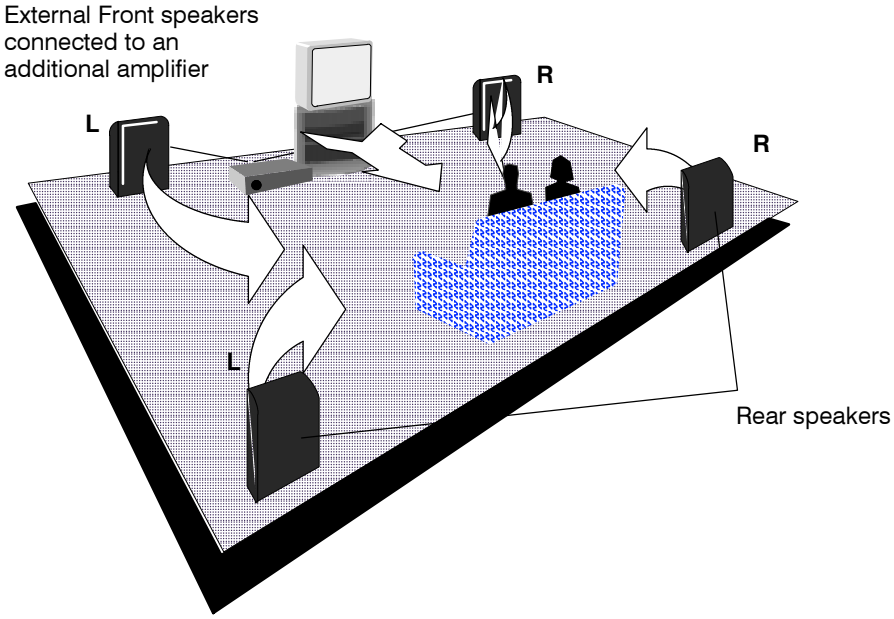


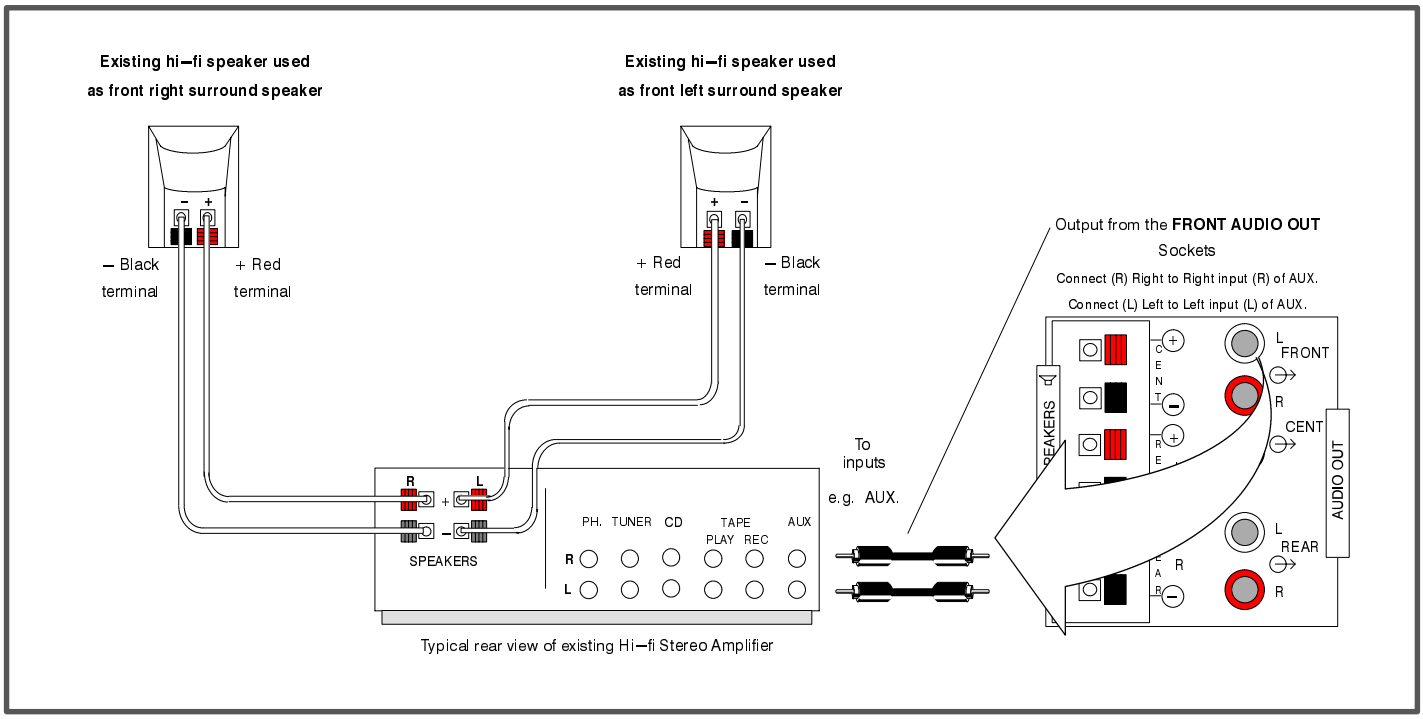


NOTES:
Ancillary equipment and cables shown are not supplied with this TV set.
Do not connect a computer with TTL output (5V) to this set.
The AV2 21 pin terminal can also be used as an Output to Audio / Video Equipment (refer to page 16 for details).

Audio out using external amplifiers and speakers

The **Audio Out** sockets on the rear of the TV allow you to create your own custom sound output system using additional external amplifiers and speakers. You may decide, for example, to use an external amplifier and speakers for the Front surround output.
Utilising an existing stereo hi–fi system comprising one amplifier, connected to the FRONT DOLBY SURROUND OUT sockets and two speakers to allow separate front left and right channels.
The internal speaker can be switched off in the Surround menu.





Symptoms		Checks
Picture	Sound	
Snowy Picture	Noisy Sound	Aerial location, direction or connection
Multiple Images	Normal Sound	Aerial location, direction or connection
Interference	Noisy Sound	Electrical appliances Cars / Motorcycles Fluorescent lights
Normal Picture	No Sound	Volume level Sound mute switched on
No Picture	No Sound	TV set to AV mode Not plugged into A.C. outlet Not switched on Picture / Sound controls set at minimum levels Check if in standby mode
No Colour	Normal Sound	Colour controls set at minimum levels
Poor or Distorted Picture	Weak or No Sound	Retune Channel(s)
Coloured Patches	Normal Sound	Magnetic Interference from unshielded equipment Receiver moved while switched ON, switch TV off for 30 minutes.
Normal Picture	Weak or distorted sound	Sound reception may have deteriorated. Switch Nicam setting (Sound menu) to Off until reception improves.

FOR YOUR GUIDANCE

■ Service

Before requesting service, please refer to the trouble–shooting guide on previous page to determine the symptoms. To obtain service please contact your local Panasonic dealer quoting the model number and serial number (both are located at the rear of the TV).

■ TV Games / Home Computers

Extended use of TV games or home computers with any television set can cause a permanent 'shadow' on the screen. This type of irreversible picture tube damage, can be limited by observing the following points:

- Reduce the brightness and contrast levels to a minimum viewing level.
- Do not operate the television set for a continuous period of time while using TV games or home computers.
- This type of picture tube damage, is not an operating defect, and as such is not covered by the Panasonic warranty.

■ Sleep Feature

If the set is not switched off when the TV station stops transmitting , it will automatically go to standby mode after 30 minutes. This function will not operate when the TV is in AV mode.

■ Last Position Memory

Certain functions have a last position memory, i.e. the setting at the time of switch–off will be the setting used when the receiver is switched on again:–

Programme	Tint (M.NTSC / NTSC only)
P–NR	Contrast
AV Position	Sharpness
Volume	Aspect
Nicam	Standby
Bass	Colour
Treble	Brightness
Balance	Headphone volume
AV2 OUT selection	Mode
Status	Volume correction (in AV mode only)
Speaker level setting	Flicker reduction
Surround mode	Artificial Intelligence (AI)
Speaker Distance	

SPECIFICATIONS

		TX–W36D3DP/U	
Power Source		220 – 240V 50Hz A.C.	
Power consumption		239W	
Standby consumption		1W	
Picture Tube		86cm visible diagonal	
Audio Output (Music)		Front Left / Right 20W x 2, Centre – Built in 14W, Surround 15W x 2, External Centre 20W	
Dimensions	H W D	618.5 mm 894 mm 578.5 mm	
Weight (Kg)		73.4	
Receiving Systems/ Band name		**PAL I** **PAL 525/60** **M.NTSC** **NTSC (AV input only)**	UHF E21–69 Playback of NTSC tape from PAL Video recorders (VCR) Playback from M.NTSC Videorecorders (VCR) Playback from NTSC Videorecorders (VCR)
Aerial – Rear		UHF	
Headphones – Front		3,5mm, 8Ω impedance	
AV – Rear		**AV1** – 21 pin terminal – Audio / Video in / out, RGB in. **AV2** – 21 pin terminal – Audio / Video in / out, S–Video in, Selectable output. **AV4** – 21 pin terminal – Audio / Video in /out	
Dolby Surround Out – Rear		5 x Dolby Surround Out RCA External Speaker connections – 2 x Rear, 1 x Centre	
AV – Front		**AV3** – S–Video in, 2 x RCA Audio in, 1 x RCA Video in	

Specifications are subject to change without notice. Weight and dimensions shown are approximate.

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NOTES

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